

Seout Report sent out

☒

Noted in the NID File

☒

Location map pinned

☐

Approval or Disapproval Letter

☒ IN UNIT

Date Completed, P. & A, or  
operations suspended

6-25-57

Pin changed on location map

☐

Affidavit and Record of A & P

☐

Water Shut-Off Test

☐

Gas-Oil Ratio Test

☐

Well Log Filed

☒

1-15-76 - Subsequent report of converting to  
Water injection

#### FILE NOTATIONS

Entered in NID File

☒

Entered on S.R. Sheet

☒

Location Map Pinned

☒

Card Indexed

☒

IWR for State or Fee Land

☒

Checked by Chief

☒

Copy NID to Field Office

☒

Approval Letter

☒

Disapproval Letter

☐

#### COMPLETION DATA

Date Well Completed

6/25/57

OW

WW

TA

GW

OS

PA

Location Inspected

☐

Bond released

☐

State of Fee Land

☐

#### LOGS FILED

D-Eler's Log

9/23/57

Electric Logs (No. )

15

E

I

E-I

GR

GR-N

Micro

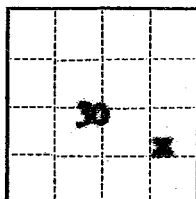
Laf

Mi-L

Sonic

Others

Robert B. Budge  
Robert B. Budge



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-02025

Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

|   |                                     |   |  |
|---|-------------------------------------|---|--|
| NOTICE OF INTENTION TO DRILL.....                   | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |  |
| NOTICE OF INTENTION TO CHANGE PLANS.....            |                                     | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |  |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     |                                     | SUBSEQUENT REPORT OF ALTERING CASING.....       |  |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... |                                     | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        |                                     | SUBSEQUENT REPORT OF ABANDONMENT.....           |  |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    |                                     | SUPPLEMENTARY WELL HISTORY.....                 |  |
| NOTICE OF INTENTION TO ABANDON WELL.....            |                                     |   |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah May 17, 1957

Well No. (#60) 43-308 is located 2080 ft. from 10N line and 640 ft. from E line of sec. 30

NR 30 7 S 23 E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Red Wash Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5662 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to drill a test well for oil or gas to be completed in the lower Green River formation.  
18", 59.0W, Gr. B, Rg 3 conductor casing set @ 20' and cemented to surface.  
10 3/4", 40.5#, J-55 casing set @ 225' and cemented to surface.  
7" casing set below lowermost productive sands.

Est. top Green River 2900'  
"H" Point 4880'  
"K" Point 5530'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 455

Vernal, Utah

By J. T. SPOONER

Title District Superintendent

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN THE STATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|  |  |   |                          |
|--|--|---|--------------------------|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>U-02023</b>                         |                          |
| 2. NAME OF OPERATOR<br><b>Chevron Oil Company, Western Division</b>  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  |                          |
| 3. ADDRESS OF OPERATOR<br><b>P. O. Box 455, Vernal, Utah</b>   |  | 7. UNIT AGREEMENT NAME<br><b>Red Wash</b>                                     |                          |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><b>2080' FSL and 660' FSL, Sec. 30, T7S, R23E, S1E1</b> |  | 8. FARM OR LEASE NAME   |                          |
| 14. PERMIT NO.   |  | 9. WELL NO.<br><b>Unit #60 (43-305)</b>                                       |                          |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>KB - 5462'</b>  |  | 10. FIELD AND POOL, OR WILDCAT  |                          |
|  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br><b>Sec. 30, T7S, R23E</b> |                          |
|  |  | 12. COUNTY OR PARISH<br><b>Uintah</b>   | 13. STATE<br><b>Utah</b> |

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐**Exclude Wtr. Entry & Expose Add'l Sand X**

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**It is proposed to exclude water entry and expose additional sand at subject well as follows:**

1. Clean out to FSTD. Run GHL and using GHL as a guide set Ng NP at best depth for excluding water from the I sand.
2. Swab test the Ng sand. If swab test confirms Ng sand to be point of major water entry, perforate I sand and squeeze w/ cement.
3. Swab test Ng sand to determine if water producing capacity has been reduced, if not consider resqueening.
4. Perforate Ng sand at 5026' and 5040'. Breakdown Ng perfs.
5. Clean out to FSTD.
6. RIN w/ production string and return to production.

**Present Production: 6 BOPD, 194 BWPD, 20 MEWD.**

18. I hereby certify that the foregoing is true and correct

SIGNED

R. W. PATTERSON

TITLE

Unit Superintendent

DATE

9-7-66

R. W. PATTERSON

(This space for Federal or State office use)

APPROVED BY

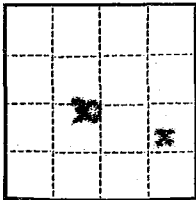
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

USGS, SLC-3; OAGCS, SLC-2; Gulf, Okla. City-1; Gulf, Casper-1; Caultkins-1; Humble, Denver-1; File



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-02025

Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

|   |   |
|---|---|
| NOTICE OF INTENTION TO DRILL.....                   | SUBSEQUENT REPORT OF WATER SHUT-OFF.....            |
| NOTICE OF INTENTION TO CHANGE PLANS.....            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....     |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     | SUBSEQUENT REPORT OF ALTERING CASING.....           |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....     |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        | SUBSEQUENT REPORT OF ABANDONMENT.....               |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    | SUPPLEMENTARY WELL HISTORY.....                     |
| NOTICE OF INTENTION TO ABANDON WELL.....            | <u>Subsequent Report of Running Casing</u> <u>X</u> |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Yernal, Utah June 25, 1957  
Well No. 13-302 is located 2010 ft. from [N] line and 660 ft. from [E] line of sec. 30  
NE 1/4 30 7 S 23 E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5452 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Cemented 7" casing @ 594h' w/375 sacks Ideal Type I cement. 800 - 1000 psi working pressure. One top and one bottom rubber plug. 1600 psi when plugs burred. Cement in place 8:03 P.M.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Standard Oil Company of California, Eastern Operations, Inc.

Address P. O. Box 1455

Yernal, Utah

By J. T. CROOKER Original signed J. T. CROOKER

Title District Superintendent

COMPLETION REPORT — NEW WELL  
STANDARD OIL COMPANY OF CALIFORNIA

Notes  
C.M.H.  
10-7-57  
9

FIELD: Red Wash

PROPERTY: Section 30B

WELL NO: 43-30B (#60)

Sec. 30B T. 7 S. R. 23 E. SL B. & M.

LOCATION: 2080' N & 660' W of SE Sec. corner.

LAND OFFICE: Salt Lake City  
LEASE NO.: U-02025

ELEVATION: 51.62' K.B.

K. B. is 12' above ground.

DATE: September 11, 1957

By J. H. Crooker  
Manager, Producing Department

DRILLED BY: Kerr-McGee Oil Industries, Inc.

DATE COMMENCED DRILLING: May 17, 1957

DATE COMPLETED DRILLING: June 25, 1957

DATE OF INITIAL PRODUCTION: August 18, 1957

|             |                    |     |       |         |      |       |          |   |
|-------------|--------------------|-----|-------|---------|------|-------|----------|---|
| PRODUCTION: | Daily average, 1st | 30  | days  | Gravity | 27.1 | ° API | Pumping  | X |
|             | Oil                | 199 | Bbls. | T. P.   | 220  | PSI   | Flowing  |   |
|             | Water              | 1.6 | Bbls. | C. P.   | 630  | PSI   | Gas Lift |   |
|             | Gas                | 52  | Mcf.  | Bean    |      | /64"  |          |   |

S U M M A R Y

TOTAL DEPTH: 5966'

CASING: 18" conductor cemented at 21'.  
10 3/4", 40.5#, J-55 casing cemented at 227'.  
7", 23#, J-55 and N-80 cemented at 5944'.

LOGS RUN: Schlumberger E Log - 5954 - 230'  
Microlog - 5619 - 2600'

DRILL STEEL TESTS:

#1 - 5525 - 5555'  
#2 - 5866 - 5883'

WELL NO.: 43-30B (#60)

PROPERTY: Section 30B

RED WASH FIELD

WORK DONE

Cemented 18" conductor @ 21' with 25 sac cement.

Spudded @ 6:00 P.M. May 17, 1957.

May 17, 1957

Cemented 10 3/4" casing at 227'. Cemented 232' of 10 3/4", 40.5#, J-55 casing at 227'. Howco equipment. Pumped in 10 bbl water. Mixed 180 sacks type I cement to 15 - 15 1/2 ppg in 10 min. Displaced with 19 bbl water in 5 min to leave 40' inside casing. Full returns with good cement returns to surface. Cement in place 1:15 A.M. 5/18/57. Used one top rubber plug.

Casing Detail:

|        |            |      |                             |
|--------|------------|------|-----------------------------|
| Bottom | 5 jts.     | 212' | 10 3/4", 40.5#, J-55 casing |
| Top    | 1 jt.      | 20'  | 20' 10 3/4" landing joint   |
|        | Above K.B. | - 5' |                             |

Landed at 227'

235' - 4840' 4605' Drilled

Reached coring point @ 6:30 P.M. May 31, 1957

June 1, 1957

Core #1 - 4840 - 4930', 90' Rec.

4840 - 4873 - Oil shale and sltst, oil shale - dk/brn blk, m hd, poker chip frac, Sltst; lt/m gr, hd

4873 - 4885 - Sh, aa, badly broken in barrel

4885 - 4887 - Sandstone, lt gr, vfg, slty, s/r, p sort, ti, NSOF, abd dk sh inlams

4887 - 4898 - Ss bcm perm and oil stn in, grn-gld flsn; bcm oilstn ss, lt gr, m brn stn, sr, clean, well sort, good p&p, good pet odor, grn-gld flsn, strs sltst & sh.

4898 - 4906 - Sltst, lt gr, hd wi abd dk sh inlams, fine/crsly reworked; bcm strs to 4" oilstn. Ss, fg, fair sort, low perm

4906 - 4907 - Ss, lt gr, fg, slty, p sort, occ oolites, ti, NSOF

4907 - 4911 - Sh, m gr, hd, strs ls

4911 - 4923 - Ss, lt gr wi m brn oil stn, sr, well sort, abd tn intl ls, fair p&p, good odor, grn-gld flsn, occ strs dk sh; bcm pred sltst, lt gr wi strs sh and oil stn ss, aa; bcm pred sltst and sh aa, rare strs oil stn ss

4923 - 4926 - Oilstn ss, dk brn stn, sr, fair sort, com patches bentonite, good pet odor, red-brn flsn, good p&p; bcm ti oil stn ss wi strs sltst & sh

4926 - 4930 - Sltst and sh, aa.

WELL NO.: 43-30B

PROPERTY: Section 30B

RED WASH FIELD

Core #2 - 4930 - 5020', 90° Rec.

4930 - 4940 - Oilshale, brn-blk, m hd, poker chip frac  
 4940 - 4975 - Sltst & Sh; sltst, lt gr, hd,  
 4975 - 4976 - Ss, lt tn, vfg, slty, low p&p, lt tn stn, fnt pet odor, bri yel flsn  
 4976 - 4989 - Sltst & Sh, aa, reworked  
 4989 - 4999 - Oolite (has been called spherulite) dk gr, fine, gr/blk oolites w/occ  
 osts, v hd, dns, v lt oil stn, no odor, even bri yel flsn;  
 hairline fractures  
 4999 - 5005 - Oilstained ss, lt gr, wi lt brn oilstn, vfg, sr, clean, well sort,  
 good pet odor, s/ sour, yel flsn, fair/good p&p, com osts & ools  
 5005 - 5020 - Sltst & Sh, aa

Core #3 - 5020 - 5083', Rec 63°

5020 - 5024 - Sltst & Sh, lt gr, hd, crsly reworked; grades to ss, lt gr, vfg,  
 slty, hd, ti, NSOF; Sltst & sh, aa;  
 5024 - 5041 - Oilstn Ss, vf/crs g, sa/sr, v p sort, abd osts & ools, lt tn stn,  
 fair pet odor, orange yel flsn; ss, aa, except vfg, ti, slty, NSOF;  
 strc sltst & sh; oilstn ss, lt gr wi lt brn oil stn, vfg, sr, well  
 sort, clean, low to fair p & p, fair pet odor, evn orange-yel flsn,  
 rare thin sh lams  
 5041 - 5048 - Oolite, lt gr, hd, dns, fine, lt gr ools & abd osts in calcite mtrk,  
 some sand; bcm strk'd wi dk gr Sh to 1/2".  
 5048 - 5074 - Sltst & Sh, sltst-lt gr, hd; Sh-dk gr, generally thin reworked lams,  
 occas bcm pred sh;  
 5074 - 5076 - Ss, vfg, slty, hd, ti, NSOF, (lt gr); ls, lt gr, dns, no por  
 5076 - 5079 - Sltst & Sh aa, wi occ strc ss, s & p, m gr, abd blk osts & ools,  
 ti, NSOF  
 5079 - 5083 - Sh, grn gr, m hd, irreg frac, strc lt gr sltst

Core #4 - 5140 - 5530', Rec 90°

5140 - 5473 - Oilshale & sltst, oilshale-dk gr/gr-brn, reg frac; Sltst-lt gr, hd,  
 both sh & sltst in thin inlams to strc several feet; where inlam'd,  
 generally fine to crsly reworked  
 5473 - 5477 - Oolite dk gr wi lt brn oil stn (hairline fracs) wi oil stn, blk ool-  
 ites, strc lt gr ss, ti, fnt pet odor, dull earthy flsn  
 5477 - 5526 - Sltst & sh, aa; bcm pred sh, aa; bcm blk sh, brittle; bcm pred sltst, aa  
 5526 - 5530 - Oilstn ss, lt gr wi lt brn oilstn, vfg, s/r, well sort

Core #5 - 5530 - 5600', Rec 70°

5530 - 5531 - Sh, blk, m hd, brittle  
 5531 - 5545 - Oilstn ss, lt gr wi lt brn stn, f/mg, sr, fair sort, ti in top 1' to  
 excellent p&p, fair pet odor, even bri yel flsn; bcm ti wi spotty stn;  
 5545 - 5572 - grades to Sltst & Sh; sltst-lt gr, hd, sh dk gr, m hd; grades to blk  
 sh, m hd/m aft, brittle, str sltst, aa  
 5572 - 5580 - Ss, lt gr, vfg, sr, fair sort, hd, dns, ti, spotty lt brn oil stn;  
 ss aa, but tighter, NSOF; S aa, low p&p, spotty oil stn, strc dk sh;  
 Ss, lt gr wi tn oil stn, fg, s/r, fair sort, fnt pet odor, spotty  
 orange-red flsn, fair p&p, looks wet

WELL NO.: 43-30B

PROPERTY: Section 30B

RED WASH FIELD

## Core #5 (cont'd)

5580 - 5598 - Sltst & Sh, aa  
 5598 - 5600 - Sh, aa, but m sft, crumbly

## Core #6 - 5600 - 5689', Rec 89'

5600 - 5601 - Sh, blk, m hd  
 5601 - 5612 - Sltst, lt gr, hd wi strs oilstn ss, Ss, lt gr wi dk brn stn, vfg, slty, dull yel flsn, fair pet odor, ti; Sltst & Sh, sltst-lt gr, hd; Sh, dk gr/blk, m hd  
 5612 - 5630 - Oilstn ss, lt gr wi lt brn oil stn, fg, s/r, clean well sort, fair pet odor, even dull gld flsn, good/excel p&p; ss, aa, except bcm spotty stn, looks wet; Ss, aa; 6" ti strk; ss aa, wi spotty oil stn; ss aa, rare stn, perm & wet  
 5630 - 5631 - Sltst & sh, aa;  
 5631 - 5646 - Ss, aa, rare spotty stn/NSOF, fair/good perm, 1' ti,  
 5646 - 5680 - Sltst & sh, sltst-lt gr, hd; Sh-dk gr/blk, in th inlams to 2' strs  
 5680 - 5689 - Ss, lt gr, fg, sr, v clean, v well sort, v perm, wet, NSOF, com reworked dk sh inlams

## Core #7 - 5689 - 5751', Rec 51'

5689 - 5692 - Ss, lt gr, f/crs g, v well sort, clean, good p&p, NSOF, excep occ strs  
 5692 - 5694 - Sh, dk gr wi strs sltst  
 5694 - 5698 - Ss aa, except vfg, slty, low p&p, NSOF  
 5698 - 5722 - Sltst & Sh, aa; pred sh, dk gr/blk; Sltst, lt gr, hd, strs dk gr oolite (or spherulite) strs dk sh; bcm pred sh  
 5722 - 5723 - Oolite, tn, vfg, hd, dns, NSOF  
 5723 - 5725 - Sh, dk gr, aa  
 5725 - 5727 - Sltst, aa;  
 5727 - 5730 - Oolite, dk gr strs tn, m g blk buck shot ools, hd dns, ti, NSOF, abd osts  
 5730 - 5734 - Ost Coq, tn, m gr, hd, dns, NSOF, abd ools  
 5734 - 5737 - Sltst & sh, aa;  
 5737 - 5743 - Sh, gr-grn, m sft, crumbly, badly washed; Sh, dk gr, m hd,  
 5743 - 5750 - Ss, lt gr, fg, grading downward to crs g, sa/sr, fair sort, good p&p except top 2', wet, NSOF  
 5750 - 5751 - No recovery

## Core #8 - 5751 - 5833', Rec 82'

5751 - 5757 - Sltst & sh, wi strs ss, sltst-lt gr, hd, Sh-dk gr, m hd, Ss-lt gr, fg, fair sort, spotty oil stn  
 5757 - 5760 - Ss, lt gr, fg, sr, well sort, clean, wet, NSOF  
 5760 - 5770 - Sltst & sh, aa; Sltst-lt gr, v sandy; sltst wi strs sh, aa;  
 5770 - 5775 - Ss, lt gr, vfg, s/r, clean, well sort, good p&p, wet, NSOF  
 5775 - 5776 - Sh, blk, hd, poker chip  
 5776 - 5778 - Ost Coq, blk wi splotches of tn, v hd, dns, ti, NSOF  
 5778 - 5789 - Ss, vfg, dk gr, clean, well sort, abd blk osts & ools



WELL NO.: 43-30B

PROPERTY: Section 30B

RED WASH FIELD

## Core #8 (cont'd)

5789 - 5818 - Sltst, lt gr, hd, wi thin reworked dk sh lams, strs blk osts & buck-shot ools, aa; bcm incr sh, blk-m hd; bcm pred sh;  
 5818 - 5824 - Ss, lt gr, fg, sr, clean, well sort, abd blk buck-shot ools (v fi) perm, wet, NSOF  
 5824 - 5825 - Sh, dk gr, grading to blk  
 5825 - 5828 - Ost, coq, blk, hd, dns, ti, NSOF, m g, blk osts & buck shot ools  
 5828 - 5831 - Sltst & Sh, aa,  
 5831 - 5833 - Oilstn ss, vfg, sr, fair sort, lt gr wi lt brn oil stn, fair pet odor, yel flsn, ti

June 16, 1957

DST #1 - Interval 5525 - 5555'. Set packers at 5520, 5525 and 5555', using side-wall anchor tools, Howco jars and safety jt. Valve open 1½ hrs. Strong blow; gas to surface in 17 min., insufficient to measure, burned with steady orange flames entire test. Rec 2200', top 1820' clean gassy oil, lower 380' (d.c's / 30') muddy water.

| Pressures: | IH   | IF                  | FF  | SI   | FH   |
|------------|------|---------------------|-----|------|------|
| Top        | 2632 | 150                 | 585 | 1835 | 2610 |
| Bottom     | 2650 | Lower pkr held o.k. |     |      | 2600 |

## Core #9 - 5833 - 5923, Rec 90"

5833 - 5845 - 3" Sltst & sh; Ss, lt gr, fg, sr, fair sort, lt brn lam stn, fair pet odor, bri yel flsn, where stn; oilstn ss, aa, except v clean wi even stn, excel p&p, good pet odor & flsn; grades to ss aa, except fg, ti/low p&p, NSOF, strs dk sh  
 5845 - 5855 - Sltst, lt/dk gr hd, strs dk reworked sh  
 5855 - 5862 - Ls, blk/tn, chiefly blk & tn osts & ools, dns, ti, NSOF  
 5862 - 5865 - Sltst, aa,  
 5865 - 5867 - Sh, blk, hd, irreg frac  
 5867 - 5873 - Ss, lt gr, vfg, s/r, well sort, fair perm, wet, NSOF, strs dk sh; Oilstn ss, fg, sr/aa, well sort, even lt brn stn, dries white on outside, good pet odor, even gld flsn; 8" v hd, dns, well cem, ti, NSOF; perm oilstn ss, aa; strs sltst, sh & ti ss in bottom 1½"  
 5873 - 5875 - Sltst, lt gr, hd, wi thi dk sh strs  
 5875 - 5883 - Sh, dk gr/blk, m hd, m sft  
 5883 - 5892 - Sltst, dk/lt gr, hd, strs dk sh  
 5892 - 5896 - Oolite, tn wi lt brn spotty stn, fg ools & osts, appears to have fair porosity, good pet odor, yel-orange flsn; oolite aa, bcm fg, ti, NSOF  
 5896 - 5901 - Sltst, m gr, hd  
 5901 - 5907 - Sh, dk gr, m sft/m hd, strs lt gr sltst  
 5907 - 5913 - Sltst, lt gr, hd, ti strs dk sh  
 5913 - 5923 - Dolomite, lt tn, dns, ti, NSOF, com osts & ools

WELL NO.: 43-30B

PROPERTY: Section 30B

RED WASH FIELD

June 21, 1957

IST #2 - Interval 5866 - 5883'. Set packers at 5857, 5866 and 5883'. Valve open 1 hr, SI 30 min. Strong blow with gas to surface in 13 min, burned with orange flame entire test - too weak to measure. Rec 1123', top 776' (all in d.p.) clean gassy oil, bottom 347' (all in 2-1/4 d.c.'s) oily muddy water grading to clear water.

| Pressures: | IH   | IF                   | FF  | SI   | FH   |
|------------|------|----------------------|-----|------|------|
| Top        | 2765 | 100                  | 345 | 2030 | 2745 |
| Bottom     | 2950 | Bottom pkr held o.k. |     |      | 2850 |

Ran Schlumberger E log and Microlog. E log recorded 5954' - 230'; Microlog 5619' - 2600'. Pts: Top Green River 2910' (/2552), "H" 4883' (/ 559), "K" 5524 (- 62), "L" 5800' (- 300).

Core #10 - 5923 - 5966', Rec 42'

5923 - 5935 - Sltst, lt gr, hd  
 5935 - 5942 - Ss, lt gr, vfg, ar, well sort, clean, ti/low p&p, NSOF  
 5942 - 5949 - Sh, grn-gr, m hd  
 5949 - 5952 - Is, tn, hd, dns, ti, NSOF  
 5952 - 5954 - Sltst, lt gr, hd  
 5954 - 5960 - Sh, dk gr, m hd, wi strs sltst in top 2', bcm m sft & crumbly  
 5960 - 5965 - Ss, vfg, slty, lt gr, hd, well cem, ti, NSOF  
 5965 - 5966 - No recovery

June 22, 1957

Cemented 7" casing @ 5944'. Cemented 7" csg with 375 sax Ideal Type I cement, 25 min mixing cement to 15-15 1/2 gal slurry with Howco equipment; 23 min displacing with rig pumps, 52 min overall. Used one top and one bottom rubber plug, 800 psi - 1000 psi working pressure. 1600 psi when plugs bumped. Cement in place 8:03 P.M. Released pressure to check float collar, held o.k. Moved csg over 12' interval while cementing. Hole stood full during job but had no circulation.

Casing Detail:

|         |             |       |   |
|---------|-------------|-------|---|
| *Bottom | 11 jts.     | 488'  | 23#, N-80, 8 rd thd, Rge 3, New, National Smls            |
| Next    | 8 jts.      | 342'  | 23#, J-55, 8 rd thd, Rge, New Republic Smls               |
| Next    | 9 jts.      | 381'  | 23#, N-80, 8 rd thd, Rge 3, New, National & Republic smls |
| Top     | 11 1/4 jts. | 4737' | 23#, J-55, 8 rd thd, Rge 3, new GF&I smls                 |
|         |             | 5948' | Top 4' above K.B. depth of shoe 5944'.                    |
|         |             |       | Rec 18' of 7" leaving 5930' in hole.                      |

\*Includes Baker guide shoe on bottom and diff float collar on top of bottom jt. Seven scratchers at top of jts 1, 2, 8, 9, 10, 18, 19, 22, 23, and 25. Scratchers - 2 at top 2nd jt, 2 at bottom 3rd jt, 5 at top 8th jt, 4 at bottom 10th jt, 2 at top 18th jt, 3 at bottom 19th jt, 4 at top 22nd jt, 2 at bottom 23rd jt, 4 starting 20' up on 25th jt, all on 6" centers wi non-weld stop rings.

WELL NO.: L3-30B

PROPERTY: Section 30B

RED WASH FIELD

June 23, 1957

Landed 7" casing in "as cemented" position. Installed B.O.P.E., made up tubing. Ran bit and cleaned out to shoe @ 5896'. Displaced hole fluid with Rangely crude.

June 24, 1957

Ran McCullough Gammaray-collar log. Recorded 5894 - 4500'. McCullough checks Schlumberger below 5400'; above checks 2' shallower - 4900' Schl. equals 4898' McC.

Perforated with four bullets per foot as follows (Schl meas.) 4887 - 4917', 4919 - 4929', 4989 - 5009', 5473 - 5480', 5531 - 5549', 5865 - 5877'.

Dowell sand oil squeezed all perforated intervals by Braden Head method. Pumped in 30 bbls burner fuel @ 1900 psi @ 30 BPM, pumped in in sequence 4000 gal burner fuel w/1 1/2"/gal 20-40 M Ottawa sand, 30 bbls burner fuel with 117 rubber coated nylon balls, 4000 gal burner fuel w/1 1/2"/gal sand, 30 gal burner fuel w/118 balls, 4000 gal burner fuel w/1 1/2"/gal sand. Slowed pump rate from 32 BPM to 10 BPM at time first balls calculated to reach perfs, when resumed pumping at high rate, broke line from one truck. Completed job with 2 trucks at average rate of 24 BPM except for temporary period of reduced rate when 2nd batch of balls hit. Max pressure during job 2000 psi. Pressure bled to 400 psi in 3 1/2 hrs, when valve cracked. Flowed slightly while running tubing. Ran bit and cleaned out 45' fill of sand and balls.

June 25, 1957

Landed 2 1/2" tubing @ 5613' as follows:

|            |                 |   |
|------------|-----------------|---|
| Bottom     | 30.40           | perf'd jt. orange peeled on bottom          |
| Next       | 7.75            | 2 1/2" U.E. 8rd J-55 pup                    |
| Next       | 0.65            | Axelson 2 1/4" / 45 PSN                     |
| Top        | 5561.86         | 179 jts. 2 1/2" U.E. J-55 1rd inc BW hanger |
|            | <u>5600.66'</u> |   |
| Below K.B. | <u>12</u>       |   |

5612.66' Bottom of perf'd jt, PSN @ 5575'.

Rig released 11:00 A.M. June 25, 1957.

R. D. LOCKE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-010213

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Red Wash

8. FARM OR LEASE NAME

9. WELL NO.

Well #40 (43-308)

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 30, T7S, R13E

12. COUNTY OR PARISH

Utah

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |   |
|---|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |   |
| 2. NAME OF OPERATOR<br>Chevron Oil Company - Western Division   |   |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 455, Vernal, Utah 84078   |   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>2000' FSL and 640' FSL, Sec. 30, T7S, R13E, S13E |   |
| 14. PERMIT NO.  | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>KB - 3462 |

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The following work was completed on subject well as of 10-1-66:

1. Cleaned out to 3000'. Ran GEL, GR and Delta T logs. Stuffed H<sub>2</sub> perfs 4989-5009'.
2. Perforated I sand at 5126' w/ 1-3 way radial superjet, breakdown I perf 5126 after spotting 100 gal acid.
3. Cement squeezed I perf 5126 w/100 sacks Latex cement. Stuffed H<sub>2</sub> perfs 4989-5009'.
4. Cement squeezed H<sub>2</sub> perfs 4989-5009 w/150 sacks reg. cement w/ radioactive tracer element.
5. Drilled out cement across H<sub>2</sub> (4989-5009) and I (5126) perfs. Ran G.R. log.
6. Perforated H<sub>2</sub> sands (5026, 40) w/ 1-3 way tandem jet; breakdown H<sub>2</sub> perfs.
7. Perforated H<sub>2</sub> at 4994' w/ tandem 3-way radial jets; breakdown H<sub>2</sub> perf.
8. Stuffed H<sub>2</sub> (4994) perf. Enclosed H<sub>2</sub> (4994) and H<sub>2</sub> (5026, 5040) w/ 200 sacks Type II Reg. cement.
9. Cleaned out fill to 3000'. (FVH - 3004)
10. Breakdown L<sub>4</sub> (3065, 3077), Z (3331, 3349), J<sub>2</sub> (3473, 3480), H<sub>2</sub> (4987-4917) and Z (4919-4919).
11. RIN w/ production string, rods and pump.
12. Hung well on and returned to production.

Prior Production: 6 MWD, 194 MWD, 20 MWD.

Production After Job: 2 MWD, 198 MWD, 16 MWD.

18. I hereby certify that the foregoing is true and correct

SIGNED R. W. PATTERSONTITLE Unit SuperintendentDATE 11-02-66

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

WMS, SLO-3; 61000, SLO-2; Gulf, Ohio. City-1; Gulf, Casper-1; Guilhine-1; Humble, Denver-1; File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TWO COPIES  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-02025

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Red Wash Unit

8. FARM OR LEASE NAME

Red Wash Unit

9. WELL NO.

Unit 60 (43-30B)

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

S 30, T7S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Chevron Oil Company - Western Division

3. ADDRESS OF OPERATOR

P. O. Box 599 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

2080' FSL & 660' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 5462'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Convert to Water Injection x

See attached procedure

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE

BY

3-0565  
2-STATE  
1-LA  
1-FILE

86

18. I hereby certify that the foregoing is true and correct

SIGNED

J. A. Mishler

TITLE Engineering Assistant

DATE 8-22-75

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Red Wash Unit #60 (43-30B)  
Convert to Water Injection

Present Status

Total Depth: 5966'

PBTD: 5896 - RBP at 4962'

Casing: 7" 23# J-55 & N-80 cmtd @ 5944'

Perfs: Open - 4 bullets/ft 4887-4917 (H), 4919-29 (H<sub>A</sub>).  
Excluded by RBP @ 4926 - 4 bullets/ft 5865-77, 4 bullets  
and 4 jets/ft 5473-80 & 5531-49.  
Excluded by cmt - 4 bullets/ft 4989-5009 (H<sub>D</sub>), 1 - 5 way tandem  
jet @ 4994 (H<sub>D</sub>), 5026 & 5040 (H<sub>E</sub>). 1 - 5 way radial @ 5126 (I).

RWU 60 (43-30B)

PROCEDURE

1. MIR & RU. HO annulus w/250 bbls RC. Unseat pump & flush tbg w/50 bbls RC. POOH w/pump & rods. NU BOPE.
2. TIH w/tbg & circ clean w/water to top of Baker RBP. Retrieve BP & POOH w/tbg. (Note: possible pressure buildup under RBP. Take precautions.)
3. TIH w/6-1/8" bit, scraper, & tbg. Circ clean to 5100'. POOH
4. RIH w/CIBP on wireline & set at 5100'. Spot 10' cement on top w/dump bailer.
5. Perforate the following intervals w/2 JPF. Use casing collars on CBL (9-14-66) for correct depth.

|           |            |
|-----------|------------|
| 4993-5009 | 16'        |
| 5026-28   | 2'         |
| 5033-47   | <u>14'</u> |

32' Total

6. TIH w/pkr & tag top of cement above CIBP. Test cmt & CIBP to 2500 psi. POOH.
7. TIH w/RBP & pkr. Straddle the following intervals and acidize w/inhibited 15% HCl containing 5 gal/1000 gal scale inhibitor and 2 gal/1000 gal anti-sludge agent and iron sequestering additive. Drop one ball sealer per 15 gal acid (224 balls-total). Precede acid w/equal volume of fresh water preflush containing 5 gal/1000 gal scale inhibitor. Swab spent acid water back prior to moving to next interval.

| <u>INTERVAL</u> | <u>ACID VOLUME</u> | <u>BALL SEALERS</u> |
|-----------------|--------------------|---------------------|
| 4887-4929       | 1200 gal           | 160                 |
| 4993-5009       | 500 gal            | 32                  |
| 5026-5047       | <u>500 gal</u>     | <u>32</u>           |
|                 | 2200 gal (total)   | 224 (total)         |

8. POOH w/pkr & RBP.
9. TIH w/Model "AD-1" tension packer (Baker) & inj string. Hydrotext tbg to 4000 psi. Land pkr @ 4850±. Put well on injection.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-02025

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Red Wash Unit

8. FARM OR LEASE NAME

Red Wash Unit

9. WELL NO.

Unit 60 (43-30B)

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

S 30, T7S, R23E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Chevron Oil Company - Western Division

3. ADDRESS OF OPERATOR

P. O. Box 599 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

2080' FSL &amp; 660' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 5462'

16.

## Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

1. Pulled rods, pump & tbgs.
2. Set Baker CIBP @ 5100'. Spotted 10' cement on top.
3. Perforated the following intervals w/2 shots/ft: 5026-5028; 5033-5047; 4993-5009.
4. Acidize as follows:

| Interval  | Amt of Acid       |
|-----------|-------------------|
| 5026-5047 | 500 gals 15% HCl  |
| 4993-5009 | 500 gals 15% HCl  |
| 4887-4929 | 1200 gals 15% HCl |

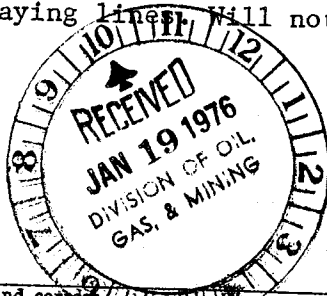
5. Ran Baker Model "AD-1" Tension pkr & 2-7/8" tubing to 4871'.

Date Started: 11-25-75

Date Completed: 12-02-75

Injection Rate: Still laying lines. Will not start injection until middle of February.

- 3 - USGS
- 2 - State
- 1 - LA
- 1 - File



18. I hereby certify that the foregoing is true and correct.

SIGNED

TITLE

J. A. Mishler

Engineering Assistant

DATE 1-15-76

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well other Water Injector  
2. NAME OF OPERATOR  
Chevron USA, Inc.  
3. ADDRESS OF OPERATOR  
P.O. Box 599, Denver, Co. 80201  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2080' FSL & 660' FEL NE $\frac{1}{4}$ SE $\frac{1}{4}$   
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) Profile Control

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

5. LEASE  
U-02025  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
Red Wash Unit  
8. FARM OR LEASE NAME  
9. WELL NO.  
60(43-30B)  
10. FIELD OR WILDCAT NAME  
Red Wash  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 30, T7S, R23E  
12. COUNTY OR PARISH Utah 13. STATE Utah  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
KB 5462'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

It is proposed to remove the single string of injection tubing, drill out a bridge plug, set another bridge plug, pump into perfs, and run SIE in this well. No new perforations will be added.

See attached procedure  
**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

DATE: 5/10/83  
BY: [Signature]

**No additional surface  
disturbances required  
for this activity.**

3-BLM  
2-State  
3-Partners  
1-JAH  
1-Sec. 723  
1-File

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Arlene F. Bush TITLE Engineering Asst. DATE April 27, 1983

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

WELL NAME: 60(43-30B)

FIELD: Red Wash

PROPOSED TREATMENT PROCEDURE

1. Objective: Improve Injection profile. An increase of 20 BOPD in offset producers is anticipated.
2. Size and type of treatment: 1000 gals 15% HCl
3. Intervals to be treated:  
4993 - 5047
4. Treatment down casing or tubing: Casing
5. Method of localizing its effects: 75 ball sealers evenly distributed throughout acid.
6. Disposal of treating fluid: Overdisplace acid with 50 bbls. produced water
7. Name of company to do work: Halliburton, Dowell or Western
8. Anticipated additional surface disturbances: None
9. Estimated work date: 5/1/83
10. Present status, current production and producing interval:

| <u>Date</u> | <u>BOPD</u> | <u>MCFD</u> | <u>BWPD</u> |
|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|

4/83 Inejcts  $\pm$ 750 BWPD into H and H<sub>A</sub> sands

RWU No. 60 (43-30B)  
RED WASH/SOUTH CENTRAL

Workover Procedures

1. Backflow well and monitor shut-in pressures to determine required kill fluid weight.
2. MI & RU.
3. Kill well, NU BOPE, and POOH w/tbg.
4. CO to 5,850 (CIBP @ 5,100 capped w/10' cmt).
5. Set CIBP @  $\pm 5,840$  and cap w/5' cmt.
6. Pump into perms 5,531-49 (K) w/produced water. Use acid if necessary.
7. Repeat Step 6 for perms 5,473-80 ( $J_D$ ).
8. Establish an injection rate into perms 5,473-5,549 ( $J_D$ , K) at  $\pm 1,000$  psi.
9. Isolate perms 4,993-5,047 ( $H_C/H_D$ ,  $H_E$ ) and acidize w/1,000 gal HCl w/75 ball sealers evenly distributed throughout acid. Surge balls off perms and overdisplace acid w/50 bbl produced water. Keep pressures low ( $\pm 1,000$  psi) to prevent communication.
10. Repeat Step 8 for perms 4,887-4,929 (H,  $H_A$ ).
11. Notify Denver w/rates and pressures from Steps 8, 9, and 10 so that orifice size-up can be made.
12. RIH w/new 2-7/8" P.L. injection string w/packers and mandrels as follows:

|   |                        |
|---|------------------------|
| pkrs @ $\pm 4,800$                      | mandrels @ $\pm 4,860$ |
| $\pm 4,960$                             | $\pm 5,080$            |
| $\pm 5,300$                             | $\pm 5,440$            |
| nipple and standing valve @ $\pm 5,570$ |                        |

Circulate packer fluid and freeze blanket into place.

13. Replace valve blanks w/orifice sizes per Denver's specification.
14. Turn well over the RW production.

NOTE: If any packer blanks communicate, notify Denver. Repair blanks as specified by Denver Drilling. H/ $H_A$  perms may be squeezed pending results of communication tests.

Acid is 15% HCl w/10 gal/M FE-1A iron sequestering agent, 50 gal/M Parasperse paraffin dispersant, 2 gal/M Tri-S surfactant, 5 gal/M HC-2 suspending agent, 50#/M Spacer-Sperse dispersant, and 2 gal/M HAI-55 corrosion inhibitor.

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
ROOM 4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
(801) 533-5771  
(RULE 1-5)

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF

Chevron U.S.A. Inc.

CAUSE NO. \_\_\_\_\_

ADDRESS P. O. Box 599

Denver, CO ZIP 80201

INDIVIDUAL ☐ PARTNERSHIP ☐ CORPORATION ☒

ENHANCED RECOVERY INJ. WELL ☒  
DISPOSAL WELL ☐

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE ...RWU No. 60... WELL

SEC. 30 TWP. 7S RANGE 23E

Uintah COUNTY, UTAH

APPLICATION

RECEIVED  
JUL 20 1983

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery operations or disposal operations.

DIVISION OF  
OIL, GAS & MINING

2. That the applicant submits the following information.

|  |  |  |                         |
|--|--|--|-------------------------|
| Lease Name<br><u>U-02025</u>   | Well No.<br><u>60 (43-30B)</u>   | Field<br><u>Red Wash</u>   | County<br><u>Uintah</u> |
| Location of Enhanced Recovery<br>Injection or Disposal Well <u>NE 1/4 SE 1/4</u> Sec. <u>30</u> Twp. <u>7S</u> Rge. <u>23E</u>                 |  |  |                         |
| New Well To Be Drilled<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  | Old Well To Be Converted<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  | Casing Test<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>6/22/57</u> |                         |
| Depth-Base Lowest Known<br>Fresh Water Within 1/2 Mile <u>2700</u>   | Does Injection Zone Contain<br>Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |  | State What<br>oil & gas |
| Location of<br>Injection Source(s) <u>produced water</u>   |  | Geologic Name(s)<br>and Depth of Source(s) <u>Green River 4500-5600</u>                                |                         |
| Geologic Name of<br>Injection Zone <u>Green River</u>  |  | Depth of Injection<br>Interval <u>4887</u> to <u>5549</u>  |                         |
| a. Top of the Perforated Interval:<br><u>4887</u>  | b. Base of Fresh Water:<br><u>2700</u>   | c. Intervening Thickness (a minus b)<br><u>2187</u>  |                         |
| Is the intervening thickness sufficient to show fresh water will be protected<br>without additional data? <u>(YES)</u> NO                      |  |  |                         |
| Lithology of Intervening Zones<br><u>sand-shale</u>  |  |  |                         |
| Injection Rates and Pressures<br>Maximum = <u>2500 B/D</u> , Working = <u>800</u> B/D<br>Maximum = <u>3000 psi</u> , Working = <u>2000</u> PSI |  |  |                         |
| The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent   |  |  |                         |
| <u>Bureau of Land Management, State of Utah</u>  |  |  |                         |
| <u>1400 University Club Building</u>   |  |  |                         |
| <u>136 East South Temple</u>   |  |  |                         |
| <u>Salt Lake City, Utah 84111</u>  |  |  |                         |

State of Colorado )

R.H. Elliott

Applicant

County of Denver )

R. H. ELLIOTT

Before me, the undersigned authority, on this day personally appeared R. H. ELLIOTT  
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly  
authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 19 day of July, 19 83

SEAL

Lois J. Thompson

My commission expires July 5, 1987

Notary Public in and for Colorado

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.

2. Attach qualitative and quantitative analysis of representative sample of water to be injected.

3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within ½ mile, together and with name of operator.

4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)

5. Attach Electric or Radioactivity Log of Subject well (if released).

6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.

7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.

8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within ½ mile of injection well.

9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.

10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.

11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.

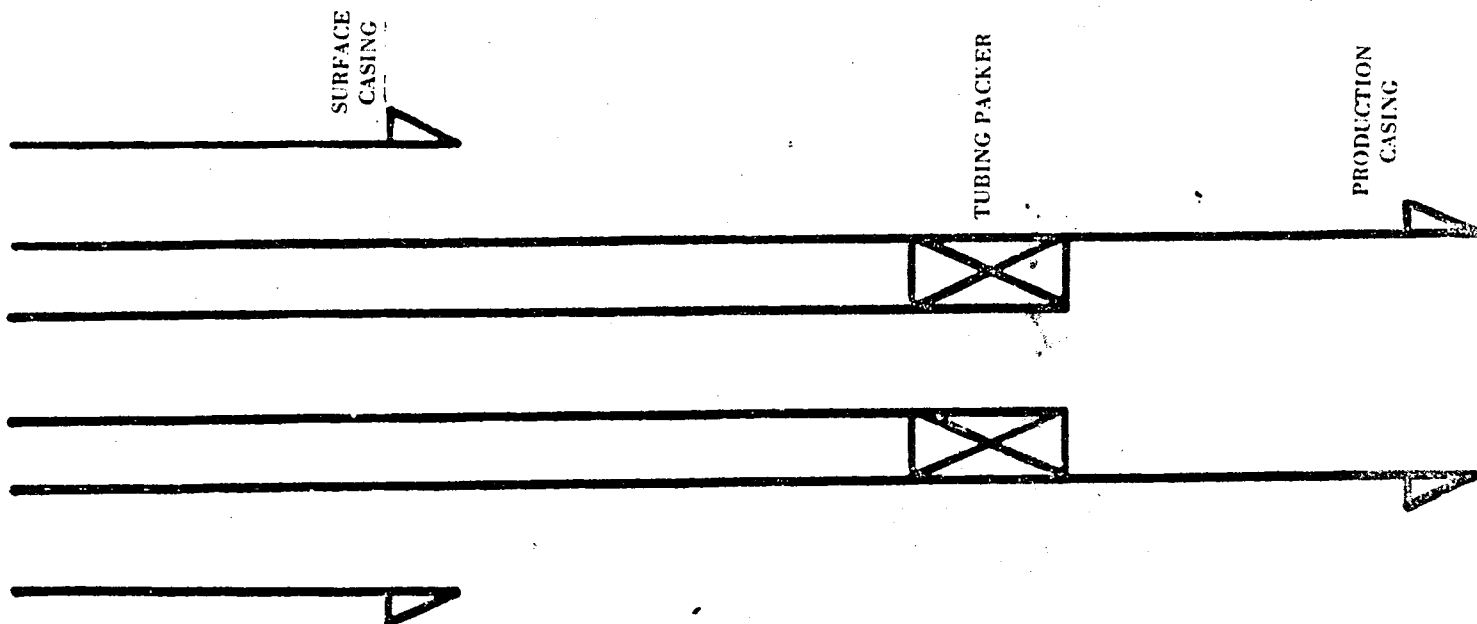
12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.

13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

## CASING AND TUBING DATA

| NAME OF STRING | SIZE                      | SETTING DEPTH | SACKS CEMENT   | TOP OF CEMENT | TOP DETERMINED BY             |
|----------------|---------------------------|---------------|--|---------------|-------------------------------|
| Surface        | 10-3/4"                   | 227           | 180  | surface       | returns                       |
| Intermediate   |                           |               |  |               |                               |
| Production     | 7"                        | 5944          | 375  | 4350          | CBL                           |
| Tubing         | 2-7/8"                    | ± 5570        | Name - Type - Depth of Tubing Packer<br>(3) Baker Model FH packers @ ±4800, ±4960, ±5300 |               |                               |
| Total Depth    | Geologic Name - Inj. Zone |               | Depth - Top of Inj. Interval   |               | Depth - Base of Inj. Interval |
| 5966           | Green River               |               | 4887   |               | 5549                          |

SKETCH - SUB-SURFACE FACILITY



Form UIC-2

(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

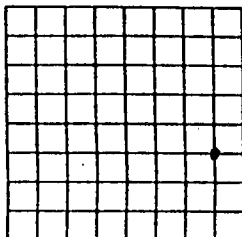
DIVISION OF OIL, GAS, AND MINING

Room 4241 State Office Building

Salt Lake City, Utah 84114

API NO 43-047-05360

640 Acres  
N



Locate Well Correctly  
and Outline Lease

COUNTY  
LEASE NO.

COUNTY Uintah SEC. 30 TWP. 7S RGE. 23E

COMPANY OPERATING Chevron U.S.A. Inc.

OFFICE ADDRESS P. O. Box 599

TOWN Denver STATE CO ZIP 80201

FARM NAME Red Wash WELL NO. 60

DRILLING STARTED 5/17 19 57 DRILLING FINISHED 6/21 19 57

DATE OF FIRST PRODUCTION 9/18/57 COMPLETED 6/25/57

WELL LOCATED NE 1/4 SE 1/4

2080 FT. FROM SL OF 1/4 SEC. & 1980 FT. FROM WL OF 1/4 SEC.

ELEVATION DECK FLOOR 5462 GROUND 5450

KB

TYPE COMPLETION

Single Zone X

Order No. \_\_\_\_\_

Multiple Zone \_\_\_\_\_

Order No. \_\_\_\_\_

Comingled \_\_\_\_\_

Order No. \_\_\_\_\_

LOCATION EXCEPTION

Order No. \_\_\_\_\_ Penalty \_\_\_\_\_

OIL OR GAS ZONES

| Name        | From | To   | Name | From | To |
|-------------|------|------|------|------|----|
| Green River | 4500 | 5600 |      |      |    |
|             |      |      |      |      |    |
|             |      |      |      |      |    |
|             |      |      |      |      |    |

CASING & CEMENT

| Casing Set |       |       |      | Csg. Test | Cement |        |         |
|------------|-------|-------|------|-----------|--------|--------|---------|
| Size       | Wgt   | Grade | Feet | Psi       | Sax    | Fillup | Top     |
| 10-3/4"    | 40.5# | J-55  | 227  | 1200      | 180    |        | surface |
| 7"         | 23#   | N-80  | 5944 | 1600      | 375    |        | 4350    |
|            |       | &J-55 |      |           |        |        |         |
|            |       |       |      |           |        |        |         |
|            |       |       |      |           |        |        |         |

TOTAL DEPTH 5966

PACKERS SET  
DEPTH ± 4800, ± 4960, ± 5300

COMPLETION & TEST DATA BY PRODUCING FORMATION

1

2

3

|  |                      |         |
|--|----------------------|---------|
| FORMATION                                    | Green River          |         |
| SPACING & SPACING<br>ORDER NO.               | 80-acre spacing      |         |
| CLASSIFICATION<br>(Oil; Gas; Dry; Inj. Well) | Enhanced<br>recovery |         |
| PERFORATED                                   | 4887-4917            | 5033-47 |
|  | 4919-29              | 5473-80 |
| INTERVALS                                    | 4993-5009            | 5531-49 |
|  | 5026-28              |         |
| ACIDIZED?                                    | all open perms       |         |
|  |                      |         |
| FRACTURE TREATED?                            | all open perms       |         |

INITIAL TEST DATA

|                            |                     |    |
|----------------------------|---------------------|----|
| Date                       | 9/18/57 to 10/17/57 |    |
| Oil. bbl./day              | 199                 |    |
| Oil Gravity                | 27.4                |    |
| Gas. Cu. Ft./day           | 52 MCF              | CF |
| Gas-Oil Ratio Cu. Ft./Bbl. | 261                 |    |
| Water-Bbl./day             | 46                  |    |
| Pumping or Flowing         | pumping             |    |
| CHOKE SIZE                 | -                   |    |
| FLOW TUBING PRESSURE       | -                   |    |

A record of the formations drilled through, and pertinent remarks are presented on the reverse.

(use reverse side)

*R.H. Elliott*

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone (303) 691-7437 R.H. Elliott - Area Prod. Supt.

Name and title of representative of company

My commission expires July 5, 1987 day of July, 19 83

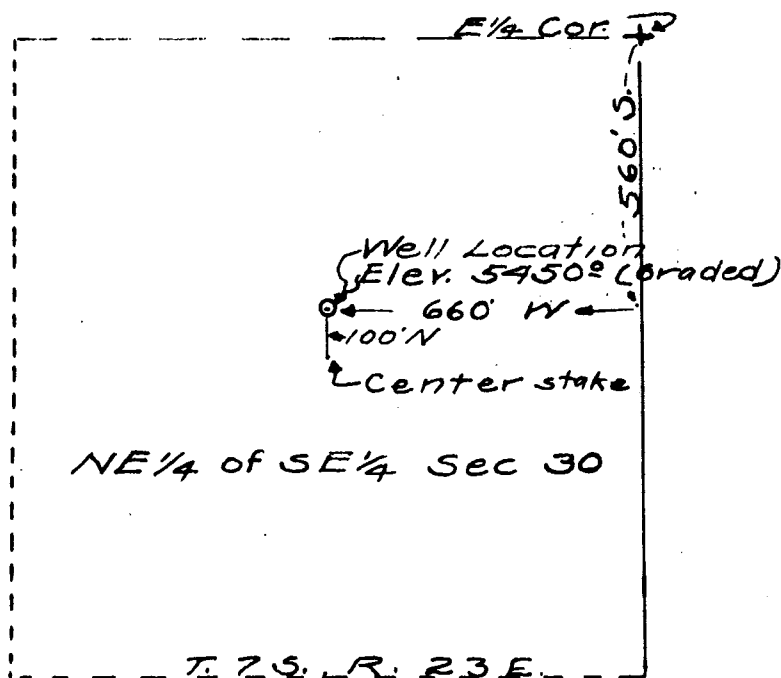
Subscribed and sworn before me this

Notary Public  
State of Colorado  
Notary No. 80222

*Les J. Thompson*

PLAT SHOWING  
PROPOSED LOCATION OF THE STANDARD OIL COM-  
PANY OF CALIFORNIA WELL IN THE NE $\frac{1}{4}$  SE $\frac{1}{4}$  OF  
SECTION 30, TOWNSHIP 7 SOUTH, RANGE 23 EAST  
SALT LAKE BASE AND MERIDIAN.

Scale of plat 1" = 400 feet

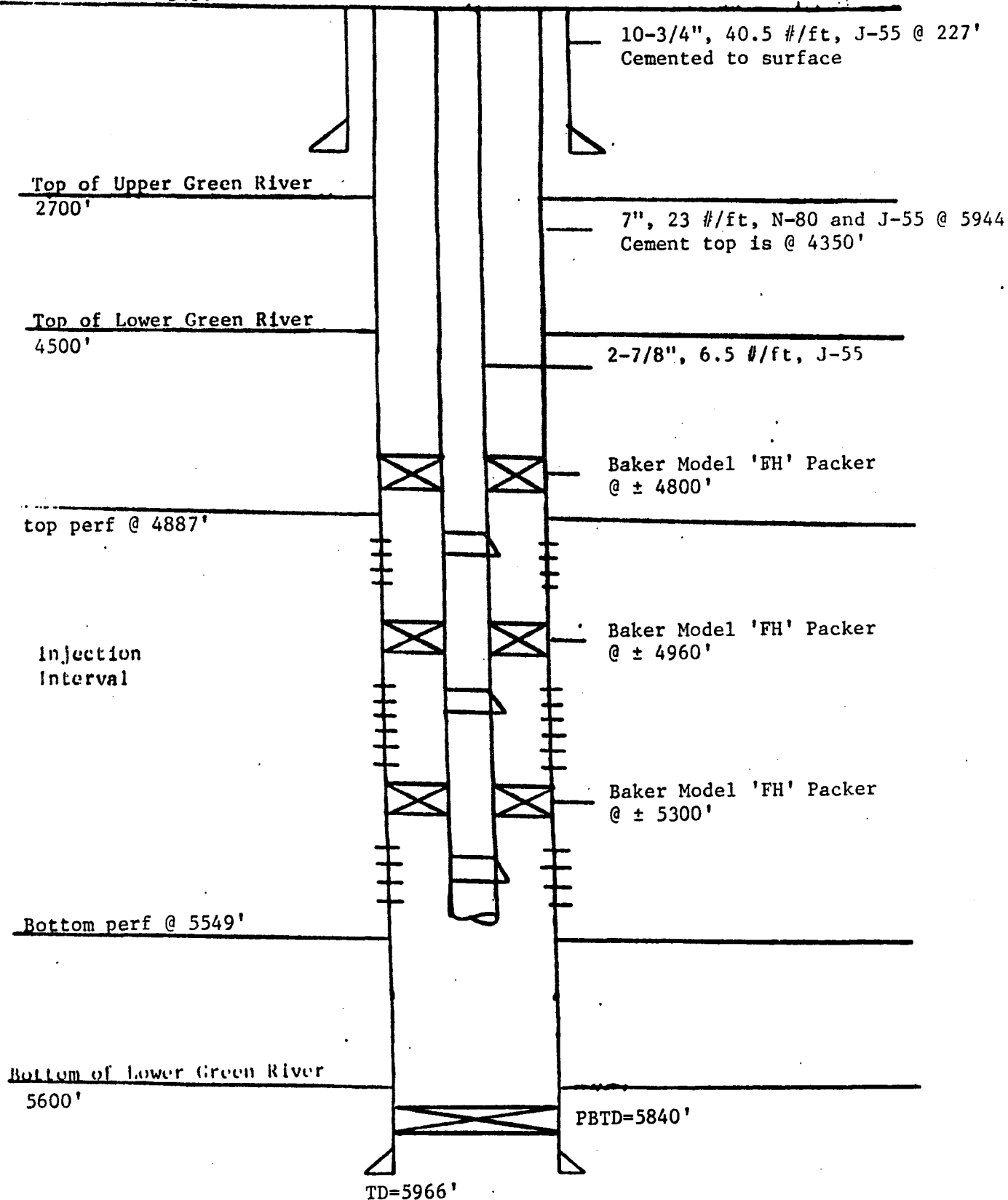


I, Leon P. Christensen, of Vernal, Utah, do hereby certify that this plat correctly shows the proposed location of the well shown hereon as surveyed by me on April 5, 1957, and levels run on May 11, 1957; that said well is located at a point 560 feet South and 660 feet West of the East quarter corner Section 30, Township 7 South, Range 23 East, Salt Lake Base and Meridian.

Leon P. Christensen  
Prof. Engr. and Land Surveyor



Ground Level 5450'



Red Wash Unit 60 (43-30B)  
Wellbore Schematic



## CBL DESCRIPTIONS

### Injection Well

#### **RWU No. 60 (43-30B)**

The bond log for No. 60 indicates good bonding from the top of the cement at 4350' to TD at 5870' with the exception of poorly bonded intervals at 4880'-4960' and 5775'-5800'. The gross perforated interval is 4887'-5549'.

### Offset Producers

#### **RWU No. 45 (23-30B) - SI**

A cement bond log is not available for No. 45 (23-30B). The cement top is calculated to be at 3250' from the temperature log. The production interval is 4930'-5806'.

#### **RWU No. 49 (12-29B) - SI**

The cement bond log indicates a poor bond from 4000' to 4750'. The bond is fair from 4750' to 4890' and poor from 4890' to 5000'. Bonding is good from 5000' to 5370', except for poor intervals at 5050' to 5080' and at 5170' to 5190'. Bonding is fair at 5370' to 5510'. From 5510' to total depth, the bond is poor. Cement top is above the top of the logged interval (4000') and is calculated to be at  $\pm$  3250'. The gross perforated interval is from 4977' to 5629'.

#### **RWU No. 81 (41-31B)**

A cement bond log is not available for No. 81. The cement top is calculated to be at 2690'. Perforations are at 4848'-5026' (gross interval).

#### **RWU No. 138 (41-30B) - SI**

The CBL indicates the cement top at 3530'. Good to fair bond exists from TD (6039') to 5515'. Poor bond exists from 5270'-5515' and good bond from 5270' to the cement top with poor sections from 5155'-70', 4960'-68', and 4180'-4200'. The perforated interval is 4930'-5584'.

#### **RWU No. 153 (14-29B)**

The CBL for No. 152 indicates fair bonding from the cement top at  $\pm$  4200' to 5750'. Intervals of poor bonding are 4850'-4880', 5120'-5160', and 5570'-5610'. The perforated interval is 5603'-5572'.

#### **RWU No. 158 (32-30B)**

A cement bond log is not available for No. 158. The cement top is calculated to be at 3794'. Production interval is from 5678' to 5768'.

**RWU No. 181 (34-30B)**

A cement bond log is not available for No. 181. The cement top is calculated to be at 3004'. The producing interval is from 4832' to 5422'.

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

\* \* \* \* \*

Operator: Cheriton Well No. 43-30B(60)  
 County: Uintah T 75 R 23E Sec. 30 API# 43-047-15184  
 New Well ☐ Conversion ☒ Disposal Well ☐ Enhanced Recovery Well ☒

|   | <u>YES</u>         | <u>NO</u> |
|---|--------------------|-----------|
| UIC Forms Completed   | <u>✓</u>           |           |
| Plat including Surface Owners, Leaseholders,<br>and wells of available record | <u>✓</u>           |           |
| Schematic Diagram   | <u>✓</u>           |           |
| Fracture Information  | <u>✓</u>           |           |
| Pressure and Rate Control   | <u>✓</u>           |           |
| Adequate Geologic Information   | <u>✓</u>           |           |
| Fluid Source  | <u>Green River</u> |           |

|   |              |                             |                   |
|---|--------------|-----------------------------|-------------------|
| Analysis of Injection Fluid                           | Yes <u>✓</u> | No <input type="checkbox"/> | TDS <u>5460</u>   |
| Analysis of Water in Formation<br>to be injected into | Yes <u>✓</u> | No <input type="checkbox"/> | TDS <u>21,667</u> |

Known USDW in area Uintah Depth 2700'  
 Number of wells in area of review 5 Prod. 4 P&A 1  
 Water 0 Inj. 0

|                           |              |                             |
|---------------------------|--------------|-----------------------------|
| Aquifer Exemption         | Yes <u>✓</u> | NA <input type="checkbox"/> |
| Mechanical Integrity Test | Yes <u>✓</u> | No <input type="checkbox"/> |

Date 7-26-83 Type Fracturing

Comments: Top of Cement 4350 - Bottom 5944

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Reviewed by: [Signature]

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ Water Injector  
2. NAME OF OPERATOR  
Chevron U.S.A. Inc.  
3. ADDRESS OF OPERATOR  
P.O. Box 599, Denver, CO 80201  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2080' FSL & 660' FEL NESE  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:  
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

- |   |                          |                          |
|---|--------------------------|--------------------------|
| TEST WATER SHUT-OFF   | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT  | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE  | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL   | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING  | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE   | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES  | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON*  | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) Change bridge plug and install special injection equipment. |                          |                          |

5. LEASE  
U-02025  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
Red Wash  
8. FARM OR LEASE NAME  
9. WELL NO.  
60 (43-30B)  
10. FIELD OR WILDCAT NAME  
Red Wash  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 30, T7S, R23E  
12. COUNTY OR PARISH  
Uintah  
13. STATE  
Utah  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
KB 5462'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

No additional surface disturbances required for this activity.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well was cleaned out. CIBP removed, new packers installed and special injection equipment run in well as follows: Work done 9/15-23/83.

1. MIR & RU. ND tree. NU BOPE. Released packer.
2. POOH w/2-7/8" tbg and Model AD-1 packer.
3. RIH w/bit drilled CIBP at 5100', remains pushed to 5835'.
4. RIH w/bit and casing scraper cleaned out to 5835'.
5. RIH w/CIBP and set at 5800', capped w/5' cmt.
6. Pressure tested casing to 1000 psi. Held okay.
7. RIH with Special Injection Equipment Assembly, Hydrotested to 5000 psi.
8. RIH w/2-7/8" tbg, hydrotested to 5000 psi.
9. RIH w/Baker RB-2 plug & set. Set Baker FH packers at 5305', 4954', and 4788'.
10. ND. BOPE. NU wellhead. Turned well to injection.  
DATE: 10/26/83 INJECTION: 200 BWPD @ 750 PSI  
Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

3-BLM  
2-State  
3-Partners  
1-JAH  
1-Sec. 723  
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Engineering Ass't DATE November 16, 1983

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



**Chevron U.S.A. Inc.**  
RED WASH

43-047-15184

**SURVEY DATA**

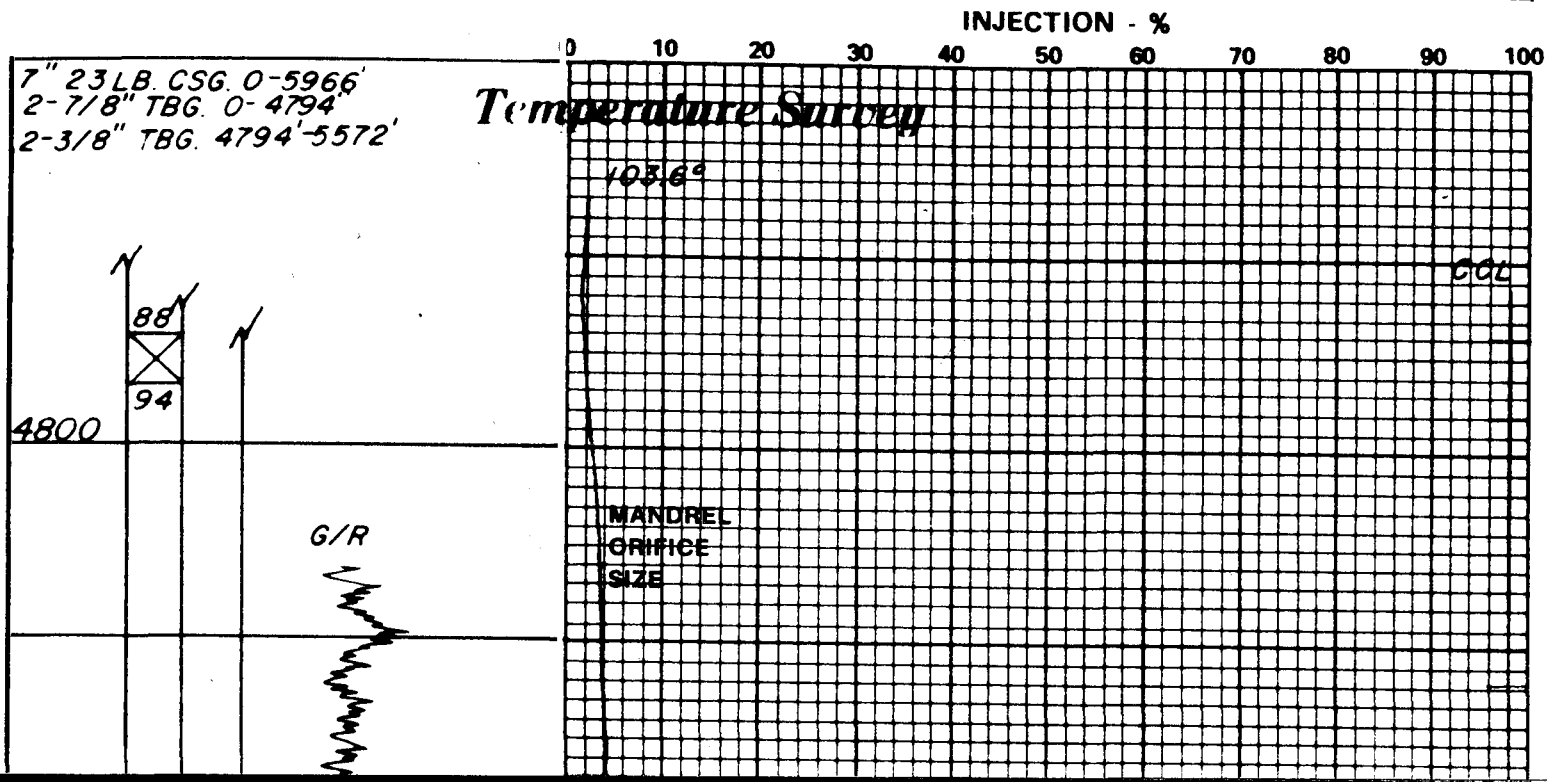
TC

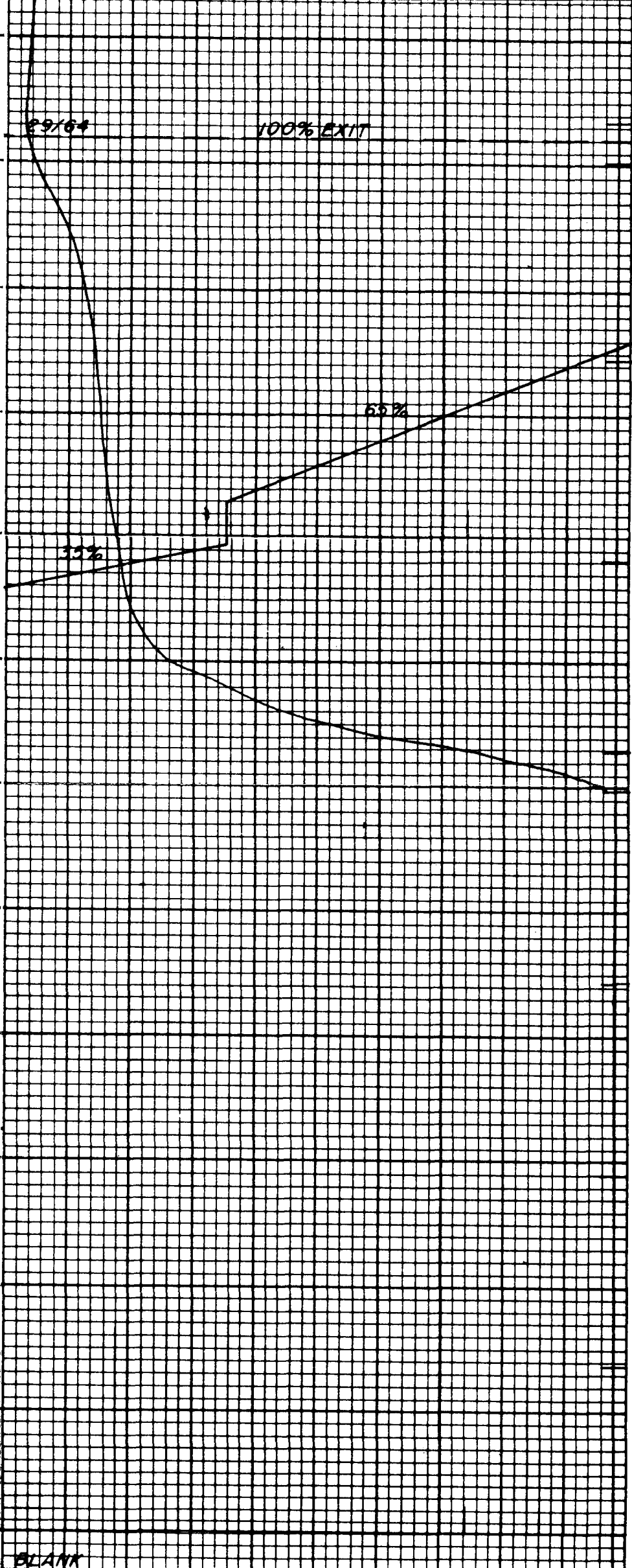
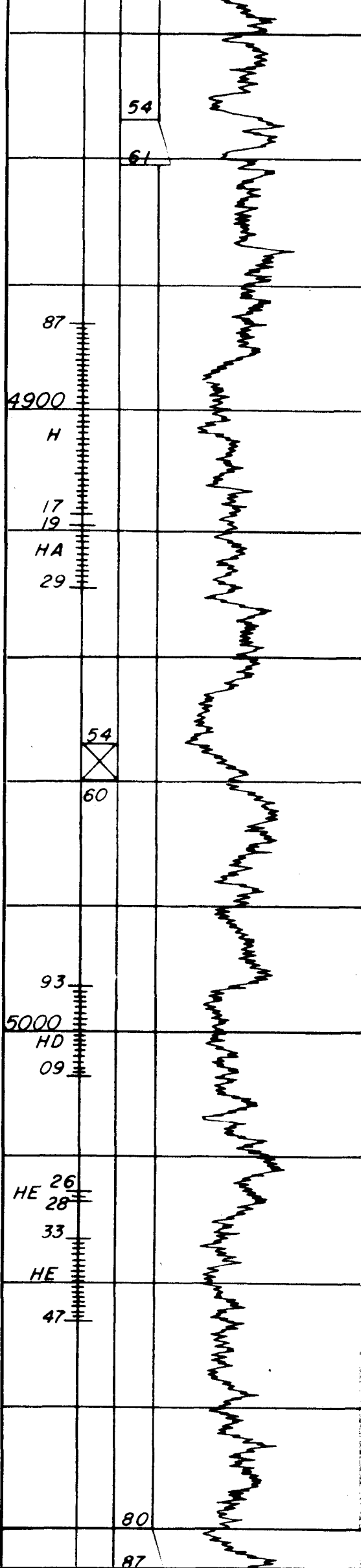
WELL NO.

RWU 60(43-30B)

75232-30 9

|             |          |               |
|-------------|----------|---------------|
| RUN NO.     | ONE      |               |
| Type Survey | TST      | B.H.T 103.0°  |
| Date        | 7-31-87  | Surface Temp. |
| Inj. Rate   | 1266 B/D |               |
| Inj. Press. | 1600 PSI |               |
| Pick-up     | 5567     |               |
| Service Co. | PLS      |               |





5100

26 →

PERF SQUEEZED

5200

5300

05

11

5400

37

44

BLANK

JD 73  
80

5500

31  
K

49

72



5600

TD-5966  
PBD-5795

## Remarks

PRODUCTION LOGGING SERVICES, INC.

SURVEY, PACKER, AND TOP PERF CHECK OK.  
RECORDED BY D. BOUDREAU.NOTE - SURVEY INDICATES INTER-ZONAL MIGRATION  
FROM 5008'-5047'.

## TRACER VELOCITY DATA

| SHOT NO. | DEPTH         | DISTANCE TRAVELED | TRAVEL TIME | RATE      |
|----------|---------------|-------------------|-------------|-----------|
| 1        | 5490'         | 0'                | 57 SEC.     | 0 B/D     |
| 2        | 5391'         | 0'                | 37 SEC.     | 0 B/D     |
| 3        | 5039'         | 0'                | 49 SEC.     | 0 B/D     |
| 4        | 4670'-4770'   | 100'              | 42.5 SEC.   | 1176 B/D  |
| 5        | 4862'-4875'   | 13'               | 30 SEC.     | 1266 B/D  |
| 6        | 4875'-4889.5' | 14.5'             | 36 SEC.     | 1177 B/D  |
| 7        | 4889.5'-4901' | 11.5'             | 37 SEC.     | 908 B/D   |
| 8        | 4901'-4907'   | 6'                | 36 SEC.     | 487 B/D   |
| 9        | 4907'-4914'   | 7'                | 51 SEC.     | 401 B/D   |
| 10       | 4914'-4921'   | 7'                | 55 SEC.     | 372 B/D   |
| 11       | 4921'-4926.5' | 5.5'              | 92 SEC.     | 175 B/D   |
| 12       | 4926.5'-4928' | 1.5'              | 71 SEC.     | 62 B/D    |
| 13       | 4929'         |                   |             | ZERO FLOW |
|          |               |                   |             |           |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil ☐ Gas ☐  
Well ☐ Well ☒ Other W/W

2. Name of Operator

CHEVRON U.S.A. PRODUCTION CO.

3. Address and Telephone No.

P.O. BOX 599, DENVER, CO. 80201 (303) 930-3691

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

560 FNL, 660 FEL, SEC. 30, T7S, R23E

5. Lease Designation and Serial No.

U - 02025

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

RED WASH

8. Well Name and No.

60 (43-30B)

9. API Well No.

43-047-15186 15186

10. Field and Pool, or Exploratory Area

RED WASH - GRN. RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other STATUS

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

THIS WELL IS SHUT IN WHILE UPGRADING WELL TEST FACILITIES. WE WILL RE-EVALUATE STATUS AFTER WELL TEST FACILITIES UPGRADES HAVE BEEN COMPLETED.

3 - BLM  
3 - STATE  
1 - JTC  
1 - WELL FILE  
1 - JLW

RECEIVED

APR 15 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed J. S. Walker

Title PERMIT SPECIALIST

Date 4/6/92

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil ☐ Gas  
☐ Well ☐ Well ☒ Other

W1W

2. Name of Operator

Chevron U.S.A. Inc.

3. Address and Telephone No.

P.O. Box 455, Vernal, Utah 84078 (801) 789-2442

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

560 ENL, 660 FEL, SEC. 30, T7S, R23E  
2080 FSL

5. Lease Designation and Serial No.  
U-02025

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
Red Wash Unit

8. Well Name and No.  
RWU #60 (43-30B)

9. API Well No.  
43-047-15184

10. Field and Pool, or Exploratory Area  
Red Wash-Grn. River

11. County or Parish, State  
Uintah, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well test facility upgrades were completed in 1992. We plan to re-evaluate this shut-in injection well during 1993.

RECEIVED

FEB 18 1993

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Signed

Chana Rough

Title

Oper. Assistant

Date 02/09/93

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any:

(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir

Use "APPLICATION FOR PERMIT--" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil

Gas

☐

Well

☐

Well

☒

Other

INJECTOR

2. Name of Operator

CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No.

11002 E. 17500 S. VERNAL, UT 84078-8526

Steve McPherson in Red Wash (801) 781-4310

or Gary Scott in Rangely, CO. (970) 675-3791

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2080' FSL & 660' FEL (NE SE) SECTION 30, T7S, R23E, SLBM

5. Lease Designation and Serial No.

U-02025

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

RED WASH UNIT

8. Well Name and No.

RED WASH UNIT 60 (43-30B)

9. API Well No.

43-047-15184

10. Field and Pool, or Exploratory Area

RED WASH - GREEN RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☐

Other TA STATUS OF WELL

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

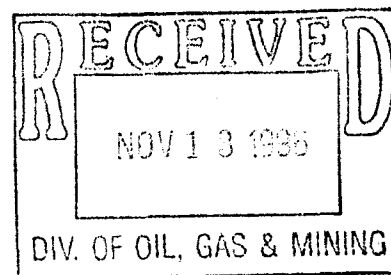
Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

CHEVRON IS REQUESTING AN EXTENSION OF THE TEMPORARILY ABANDONED STATUS OF THIS WELL FOR A POSSIBLE WATERFLOOD REALIGNMENT. THIS WELL MEETS EPA STANDARDS FOR TA'd INJECTION WELLS.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY



14. I hereby certify that the foregoing is true and correct.

Signed G.D. SCOTT

*G.D. Scott*

Title DRILLING TECHNICIAN

Date November 4, 1996

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

# Mechanical Integrity Test

## Casing or Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Implementation Section, 8WM-DW  
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: RANDY WILKINS Date 3/21/97 Time 2:00 am/pm pm

Test conducted by: RANDY WILKINS

Others present: \_\_\_\_\_

Well: R.W.U. #60 (43-30B)

Well ID: UT02401

Field: Red Wash 43-047-15184

Company: Chevron U.S.A.

Well Location: \_\_\_\_\_

Address: 11002 East 17500 South  
Vernal, UT.

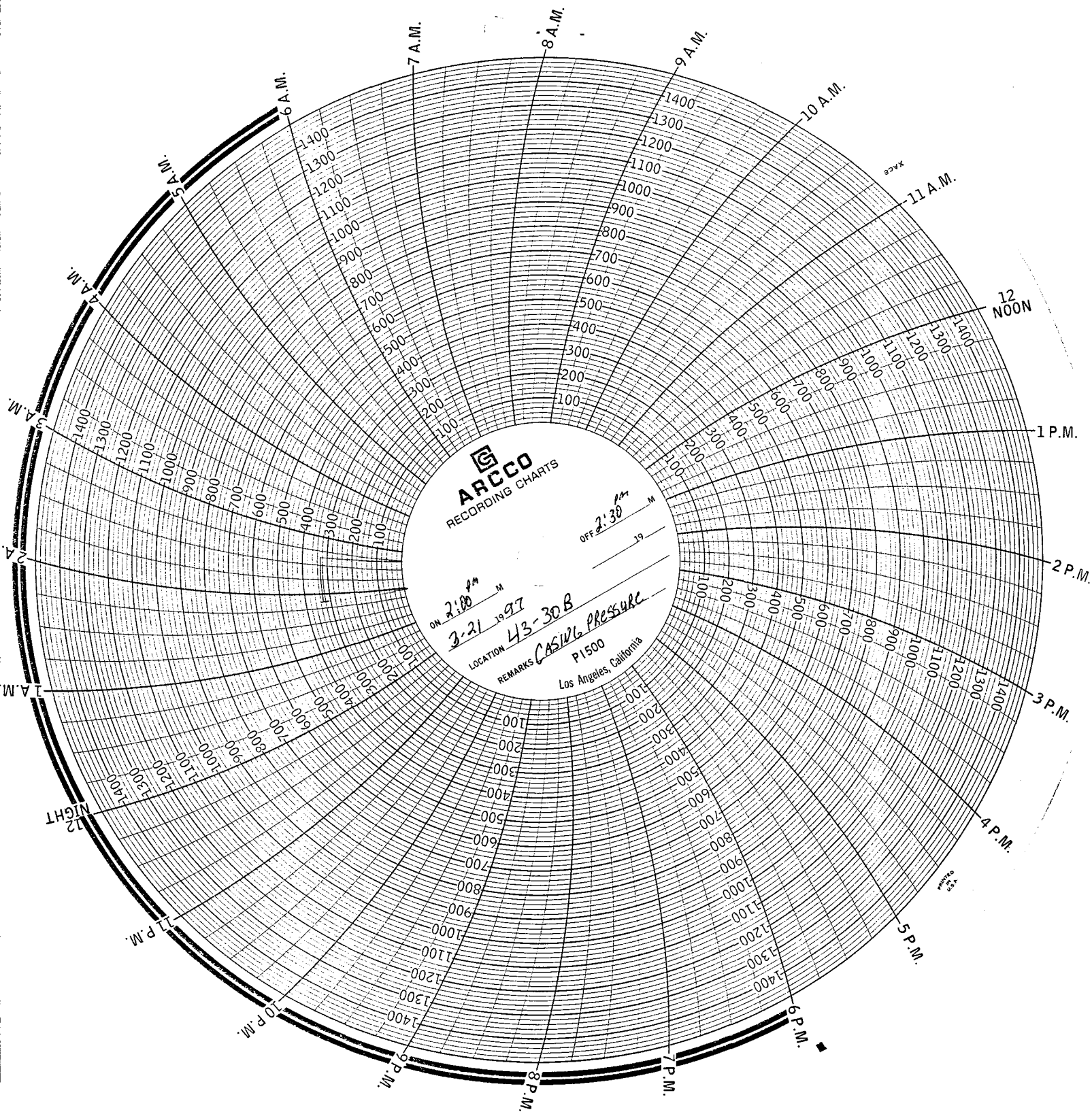
API NO. -

| Time         | Test #1         | Test #2    | Test #3    |
|--------------|-----------------|------------|------------|
| 0 min        | <u>320</u> psig | _____ psig | _____ psig |
| 5            | _____           | _____      | _____      |
| 10           | _____           | _____      | _____      |
| 15           | <u>320</u>      | _____      | _____      |
| 20           | _____           | _____      | _____      |
| 25           | _____           | _____      | _____      |
| 30 min       | <u>320</u>      | _____      | _____      |
| 35           | _____           | _____      | _____      |
| 40           | _____           | _____      | _____      |
| 45           | _____           | _____      | _____      |
| 50           | _____           | _____      | _____      |
| 55           | _____           | _____      | _____      |
| 60 min       | _____           | _____      | _____      |
| Tubing press | <u>0</u> psig   | _____ psig | _____ psig |

Result (circle) Pass Fail Pass Fail Pass Fail

Signature of EPA Witness: Randy Wilkins

See back of page for any additional comments & compliance followup.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

***SUBMIT IN TRIPLICATE***

1. Type of Well

Oil

Gas

☐

Well

☐

Well

☒

Other

WATER INJECTOR

2. Name of Operator

CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No

11002 E. 17500 S. VERNAL, UT 84078-8526

(801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2080' FSL & 660' FEL (NE SE) SECTION 30, T7S, R23E, SLBM

5. Lease Designation and Serial No.

U-02025

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

RED WASH UNIT

8. Well Name and No.

RED WASH UNIT 60 43-30B

9. API Well No.

43-047-15184

10. Field and Pool, or Exploratory Area

RED WASH - GREEN RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other TA STATUS OF WELL

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

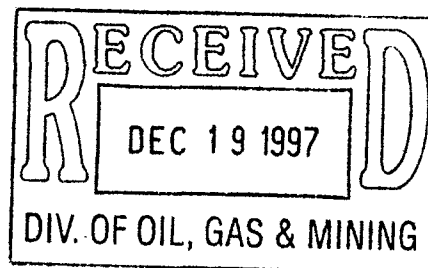
☐

Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

CHEVRON IS REQUESTING A TA STATUS ON THE ABOVE WELL. THIS WELL HAS POTENTIAL FUTURE USE IN RECONFIGURED PATTERN WATERFLOOD.



14. I hereby certify that the foregoing is true and correct.

Signed

*D. C. Tanner*

Title

COMPUTER SYSTEMS OPERATOR

Date

12/10/97

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

***SUBMIT IN TRIPLICATE***

1. Type of Well

Oil

Gas

☐

Well

☐

Well

☒

Other

INJECTOR

2. Name of Operator

CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No

11002 E. 17500 S. VERNAL, UT 84078-8526

(801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2080' FSL & 660' FEL (NE SE) SECTION 30, T7S, R23E, SLBM

5. Lease Designation and Serial No.

U-02025

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

RED WASH UNIT

8. Well Name and No.

RED WASH UNIT 60 43-30B

9. API Well No.

43-047-15184

10. Field and Pool, or Exploratory Area

RED WASH - GREEN RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other TA STATUS FOR WELL

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

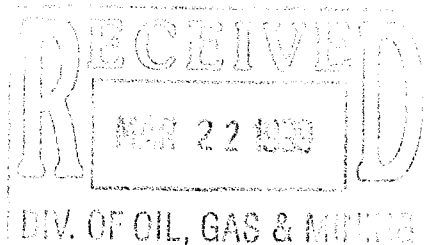
Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WE REQUEST A TA STATUS APPROVAL FOR THIS WELL.

WE BELIEVE A RETURN TO INJECTION COULD BE JUSTIFIED IN THE FUTURE.



14. I hereby certify that the foregoing is true and correct.

Signed D. C. BEAMAN *D.C. Beaman*

Title COMPUTER SYSTEMS OPERAOTR

Date 3/18/1999

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side



Mechanical Integrity Test  
Casing or Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Implementation Section, 8WM-DW  
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date 3/17/99 Time 12:00 am/pm  
Test conducted by: My Johnson and Beaton with Big Red Hot Oil  
Others present: \_\_\_\_\_

|   |  |
|---|--|
| Well: <u>RWU #60 (43-30B)</u>                   | Well ID: <u>API# 43-047-13184</u>      |
| Field: <u>Red Wash</u>                          | EPA# <u>UT02401</u>                    |
| Well Location:<br><u>NE SE Sec. 30 T7S R23E</u> | Company: <u>Chevron USA Prod.</u>      |
|   | Address: <u>11002 East 17300 South</u> |
|   | <u>Jurnal Ut. 84078-8526</u>           |

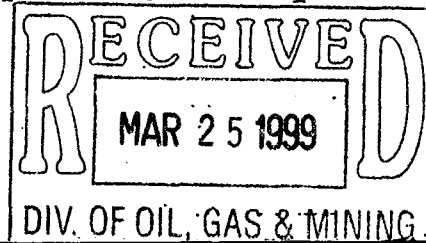
Well Status - T.A.

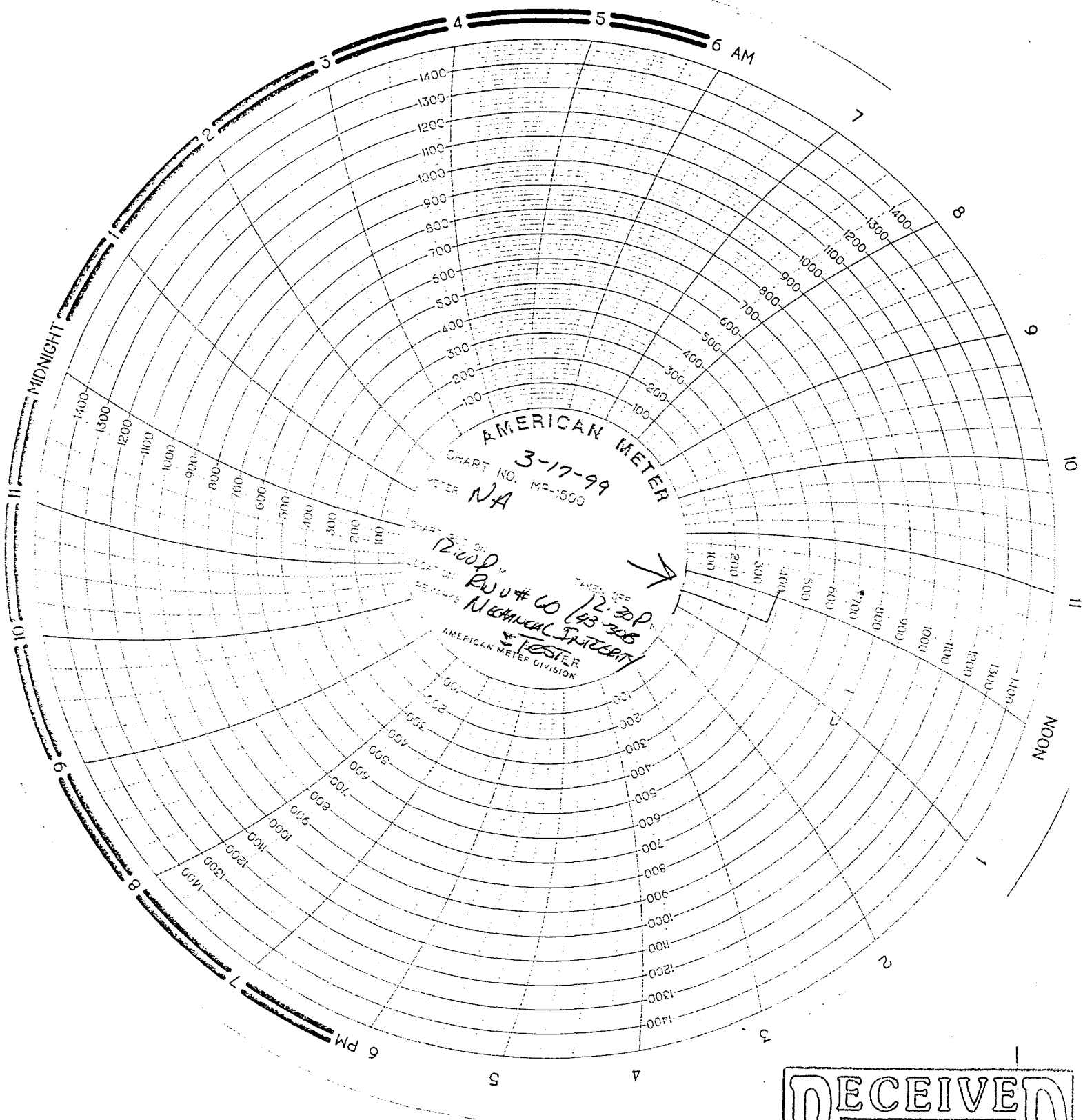
| Time         | Test #1         | Test #2    | Test #3    |
|--------------|-----------------|------------|------------|
| 0 min        | <u>400</u> psig | _____ psig | _____ psig |
| 5            | _____           | _____      | _____      |
| 10           | <u>400</u>      | _____      | _____      |
| 15           | _____           | _____      | _____      |
| 20           | <u>390</u>      | _____      | _____      |
| 25           | _____           | _____      | _____      |
| 30 min       | <u>380</u>      | _____      | _____      |
| 35           | _____           | _____      | _____      |
| 40           | _____           | _____      | _____      |
| 45           | _____           | _____      | _____      |
| 50           | _____           | _____      | _____      |
| 55           | _____           | _____      | _____      |
| 60 min       | _____           | _____      | _____      |
| Tubing press | <u>0</u> psig   | _____ psig | _____ psig |

Result (circle) Pass Fail Pass Fail Pass Fail

Signature of EPA Witness: \_\_\_\_\_  
See back of page for any additional comments & compliance followup.

This is the front side of two sides





RECEIVED  
MAR 25 1999  
DIV. OF OIL, GAS & MINING



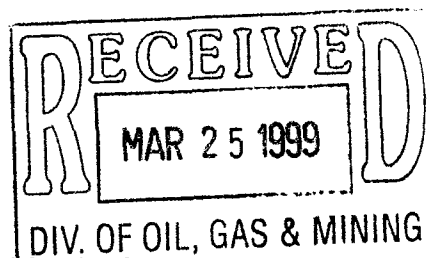
**Chevron**

MARCH 22, 1999

MECHANICAL INTEGRITY TESTS  
RED WASH UNIT – VARIOUS WELLS  
UINTAH COUNTY, UTAH

Chevron U.S.A. Production Co.  
Rocky Mountain Profit Center  
11002 East 17500 South  
Vernal, UT 84078-8526  
(801) 781-4300

MR. JOHN CARSON  
UIC IMPLEMENTATION SECTION  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION VIII  
999 18th STREET - SUITE 500  
DENVER, CO 80202-2466  
8ENF-T



Dear Mr. Carson:

Results of recent mechanical integrity tests are enclosed ~~for the following wells:~~

|                   |         |
|-------------------|---------|
| RWU #202 (21-34A) | UT02415 |
| RWU #97 (23-18C)  | UT02405 |
| RWU #68 (41-13B)  | UT02429 |
| RWU #170 (41-15B) | UT02438 |
| RWU #16 (43-28B)  | UT02419 |
| RWU #150 (31-22B) | UT02408 |
| RWU #60 (43-30B)  | UT02401 |
| RWU #161 (14-20B) | UT02410 |

Each well was due for testing during March, 1999. If you have any questions or comments, please contact me at (435) 781-4301.

Sincerely,

  
J. T. CONLEY  
RED WASH ASSET TEAM LEADER

cc Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801  
Attn. Mr. Gil Hunt

U.S Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir

Use "APPLICATION FOR PERMIT--" for such proposals

***SUBMIT IN TRIPLICATE***

## 1. Type of Well

Oil

Gas

☐

Well

☐

Well

☒

Other

MULTIPLE WELLS SEE ATTACHED LIST

## 2. Name of Operator

CHEVRON U.S.A. INC.

## 3. Address and Telephone No

11002 E. 17500 S. VERNAL, UT 84078-8526

(801) 781-4300

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

## 5. Lease Designation and Serial No.

## 6. If Indian, Allottee or Tribe Name

N/A

## 7. If Unit or CA, Agreement Designation

**RED WASH UNIT  
I-SEC NO 761**

## 8. Well Name and No.

## 9. API Well No.

## 10. Field and Pool, or Exploratory Area

**RED WASH - GREEN RIVER**

## 11. County or Parish, State

**UINTAH, UTAH**

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

## TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒Other CHANGE OF OPERATOR☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

As of January 1, 2000 Chevron U.S.A. INC. resigns as Operator of the Red Wash Unit.  
The Unit Number is I-SEC NO 761 effective October 31, 1950.

The successor operator under the Unit Agreement will be  
Shenandoah Energy Inc.  
475 17th Street, Suite 1000  
Denver, CO 80202

Agreed and accepted to this 29th day of December, 1999

Shenandoah Energy Inc.

By:

*Mitchell L. Solich*  
Mitchell L. Solich  
President

**RECEIVED**

**DEC 30 1999**

DIVISION OF OIL, GAS & MINING

## 14. I hereby certify that the foregoing is true and correct.

Signed A. E. WackerTitle Assistant SecretaryDate 12/29/99

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

# RECEIVED

FEB 07 2000

DIVISION OF  
OIL, GAS AND MINING

IN REPLY REFER TO  
UT-931

February 4, 2000

Shenandoah Energy Inc.  
Attn: Rae Cusimano  
475 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

Re: Red Wash Unit  
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Red Wash Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

UT931:TAThompson:tt:2/4/00

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil Gas  
☐ Well ☐ Well ☒ Other INJECTOR

2. Name of Operator  
SHENANDOAH ENERGY, INC

3. Address and Telephone No  
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2080' FSL & 660' FEL (NE SE) SECTION 30, T7S, R23E, SLBM

5. Lease Designation and Serial No.

U-02025

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

RED WASH UNIT

8. Well Name and No.

RED WASH UNIT 60 43-30B

9. API Well No.

43-047-15184

10. Field and Pool, or Exploratory Area

RED WASH - GREEN RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION   |  |
|---|--|--|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Abandonment                         | <input type="checkbox"/> Change of Plans         |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion                        | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Plugging Back                       | <input type="checkbox"/> Non-Routine Fracturing  |
|   | <input type="checkbox"/> Casing Repair                       | <input type="checkbox"/> Water Shut-Off          |
|   | <input type="checkbox"/> Altering Casing                     | <input type="checkbox"/> Conversion to Injection |
|   | <input checked="" type="checkbox"/> Other TA STATUS FOR WELL | <input type="checkbox"/> Dispose Water           |

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WE REQUEST A TA STATUS APPROVAL FOR THIS WELL.

WE BELIEVE A RETURN TO INJECTION COULD BE JUSTIFIED IN THE FUTURE.

RECEIVED

APR 17 2000

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Signed D. C. BEAMAN

Title OFFICE MANAGER

Date

04/13/00

(This space for Federal or State office use)

The Extension for Shut-in or Temporarily Abandonment may be issued, in accordance with

Conditions of approval, if any, R649-3-36.1.1, 1.2 & 1.3, upon receipt and review, by the Division of Oil, Gas & Mining of

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make any false, fictitious or fraudulent statement or representation as to any matter within its jurisdiction.

Accepted by the  
Utah Division of  
Oil, Gas & Mining

\*See instruction on Reverse Side

COPY SENT TO OPERATOR  
Date: 4-20-00  
Initials: CND

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attachment  
Field or Unit name: \_\_\_\_\_ API no. \_\_\_\_\_  
Well location: QQ \_\_\_\_\_ section \_\_\_\_\_ township \_\_\_\_\_ range \_\_\_\_\_ county \_\_\_\_\_  
Effective Date of Transfer: \_\_\_\_\_

CURRENT OPERATOR

Transfer approved by:  
Name R.K. Wackowski Company Chevron Production Co.  
Signature [Signature] Address 100 Chevron Rd.  
Title Unit Manager Rangely, Colo. 81648  
Date 7/28/00 Phone (970) 675-3714  
Comments: \_\_\_\_\_

NEW OPERATOR

Transfer approved by:  
Name John Conley Company Shenandoah Energy Inc.  
Signature [Signature] Address 11002 E. 17500 S.  
Title District Manager Vernal, UT 84078  
Date 7-21-00 Phone ( 435 ) 781-4300  
Comments: \_\_\_\_\_

(State use only)  
Transfer approved by [Signature] Title Tech. Services Manager  
Approval Date 8-24-00

RECEIVED  
AUG 9 2000  
DIVISION OF

# SHENANDOAH ENERGY INC.

11002 E. 17500 S.  
VERNAL, UT 84078  
PHONE: (435) 781-4300  
FAX: (435) 781-4329

## RED WASH UNIT

|                   |                |              |
|-------------------|----------------|--------------|
| RW #11 (34-27B)   | SWSE-27-7S-23E | 43-047-15142 |
| RW #14 (14-13B)   | SWSW-13-7S-23E | 43-047-15144 |
| RW #148 (13-22B)  | NWSW-22-7S-23E | 43-047-15261 |
| RW #156 (23-15B)  | NESW-15-7S-23E | 43-047-15267 |
| RW #17 (41-20B)   | NENE-20-7S-23E | 43-047-15146 |
| RW #173 (21-21B)  | NENW-21-7S-23E | 43-047-16496 |
| RW #174 (21-20B)  | NENW-20-7S-23E | 43-047-15281 |
| RW #182 (14-21B)  | SWSW-21-7S-23E | 43-047-16497 |
| RW #183 (33-13B)  | NWSE-13-7S-23E | 43-047-15289 |
| RW #185 (41-14B)  | NENE-14-7S-23E | 43-047-16498 |
| RW #2 (14-24B)    | SWSW-24-7S-23E | 43-047-16472 |
| RW #23 (21-23B)   | NENW-23-7S-23E | 43-047-15151 |
| RW #25 (23-23B)   | NESW-23-7S-23E | 43-047-16476 |
| RW #261 (23-17B)  | NESW-17-7S-23E | 43-047-32739 |
| RW #264 (31-35B)  | NWNE-35-7S-23E | 43-047-30519 |
| RW #268 (43-17B)  | NESE-17-7S-23E | 43-047-32980 |
| RW #275 (31-26B)  | NWNE-26-7S-23E | 43-047-31077 |
| RW #279 (11-36B)  | NWNW-36-7S-23E | 43-047-31052 |
| RW #34 (-23-14B)  | NESW-14-7S-23E | 43-047-15161 |
| RW #56 (41-28B)   | NENE-28-7S-23E | 43-047-15182 |
| RW #59 (12-24B)   | SWNW-24-7S-23E | 43-047-16477 |
| RW #6 (41-21B)    | NENE-21-7S-23E | 43-047-16482 |
| RW #91 (33-22B)   | NWSE-22-7S-23E | 43-047-16479 |
| RW #93 (43-27B)   | NESE-27-7S-23E | 43-047-16480 |
| RW #134 (14-28B)  | SWSW-28-7S-23E | 43-047-16489 |
| RW #139 (43-29B)  | NESE-29-7S-23E | 43-047-16490 |
| RW #150 (31-22B)  | NWSE-22-7S-23E | 43-047-15263 |
| RW #16 (43-28B)   | NESE-28-7S-23E | 43-047-16475 |
| RW #170 (41-15B)  | NENE-15-7S-23E | 43-047-16495 |
| RW #263 (24-26B)  | SESW-26-7S-23E | 43-047-30518 |
| RW #265 (44-26B)  | SESE-26-7S-23E | 43-047-30520 |
| RW #266 (33-26B)  | NWSE-26-7S-23E | 43-047-30521 |
| RW #269 (13-26B)  | NWSW-26-7S-23E | 43-047-30522 |
| RW #271 (42-35B)  | SENE-35-7S-23E | 43-047-31081 |
| RW #68 (41-13B)   | NENE-13-7S-23E | 43-047-16485 |
| RW #97 (23-18C)   | NESW-18-7S-24E | 43-047-15216 |
| RW #7 (41-27B)    | NENE-27-7S-23E | 43-047-15205 |
| RW #324 (23-16B)  | NESW-16-7S-23E |              |
| RW #301 (43-15B)  | NESE-15-7S-23E | 43-047-31682 |
| RW #100A (43-21A) | NESE-21-7S-22E | 43-047-15219 |
| RW #199 (43-22A)  | NESE-22-7S-22E | 43-047-15301 |
| RW #216 (21-27A)  | NENW-21-7S-22E | 43-047-30103 |
| RW #258 (34-22A)  | SWSE-22-7S-22E | 43-047-30458 |
| RW #202 (21-34A)  | NENW-34-7S-22E | 43-047-15303 |
| RW 3215 (43-28A)  | NESE-28-7S-22E | 43-047-30058 |
| RW #61 (12-27A)   | SWNW-27-7S-22E | 43-047-16478 |
| RW #102 (41-24A)  | NENE-24-7S-23E | 43-047-15221 |
| RW #88 (23-18B)   | NESW-18-7S-23E | 43-047-15210 |
| RW #283 (43-18B)  | NESE-18-7S-23E | 43-047-32982 |
| RW #52 (14-18B)   | SWSW-18-7S-23E | 43-047-15178 |
| RW #161 (14-20B)  | SWSW-20-7S-23E | 43-047-15271 |



# SHENANDOAH ENERGY INC.

11002 E. 17500 S.  
VERNAL, UT 84078  
PHONE: (435) 781-4300  
FAX: (435) 781-4329

|                  |                |              |
|------------------|----------------|--------------|
| RW #48 (32-19B)  | SWNE-19-7S-23E | 43-047-15174 |
| RW #60 (43-30B)  | NESE-30-7S-23E | 43-047-15184 |
| RW #213 (41-33B) | NENE-33-7S-23E | 43-047-20060 |

## WONSITS VALLEY FEDERAL UNIT

|            |                |                                |
|------------|----------------|--------------------------------|
| WVFU #120  | NENW-22-8S-21E | 43-047-32462                   |
| WVFU#140   | NWNW-15-8S-21E | 43-047-31707                   |
| WVFU #143  | NWSE-10-8S-21E | 43-047-31808                   |
| WVFU #16   | NENE-15-8S-21E | 43-047-15447                   |
| WVFU #21   | NENE-16-8S-21E | 43-047-15452                   |
| WVFU #28-2 | NESW-11-8S-21E | 43-047-31524                   |
| WVFU #31   | NENW-14-8S-21E | 43-047-15460                   |
| WVFU #35   | NESW-14-8S-21E | 43-047-15463                   |
| WVFU #36   | NESW-10-8S-21E | 43-047-15464                   |
| WVFU #40-2 | NESE-10-8S-21E | 43-047-31798                   |
| WVFU #41   | NENW-15-8S-21E | 43-047- <del>15496</del> 15469 |
| WVFU #50   | SWNE-15-8S-21E | 43-047-15477                   |
| WVFU #59   | SWNW-14-8S-21E | 43-047-20018                   |
| WVFU #60   | SWSE-15-8S-21E | 43-047-20019                   |
| WVFU #67   | NESW-15-8S-21E | 43-047-20043                   |
| WVFU #68   | NESE-15-8S-21E | 43-047-20047                   |
| WVFU #71-2 | SWSW-15-8S-21E | 43-047-32449                   |
| WVFU #73   | NESE-16-8S-21E | 43-047-20066                   |
| WVFU #97   | NWSW-11-8S-21E | 43-047-30014                   |
| WVFU #9    | NESE-12-8S-21E | 43-047-15440                   |
| WVFU #126  | NWNE-21-8S-21E | 43-047-30796                   |
| WVFU #72   | SWSW-16-8S-21E | 43-047-20058                   |
| WVFU #78   | NESW-16-8S-21E | 43-047-20115                   |

## GYPSUM HILLS UNIT

|          |                |              |
|----------|----------------|--------------|
| GHU #10  | NWSE-21-8S-20E | 43-047-32306 |
| GHU #12  | NESE-19-8S-21E | 43-047-32458 |
| GHU#15   | SWSW-20-8S-21E | 43-047-32648 |
| GHU#17   | SWSE-20-8S-21E | 43-047-32649 |
| GHU #3   | NENE-20-8S-21E | 43-047-20002 |
| GHU #6   | NENW-20-8S-21E | 43-047-30099 |
| GHU #8-1 | SWNE-20-8S-21E | 43-047-31932 |

## COSTAS FEDERAL

|                     |                |              |
|---------------------|----------------|--------------|
| COSTAS FED #1-20-4B | NESW-20-8S-21E | 43-047-31006 |
| COSTAS FED #2-20-3B | NESE-20-8S-21E | 047-31066    |
| COSTAS FED 33-21-1D | SWNW-21-8S-21E | 43-047-31604 |

## BRENNAN BOTTOM UNIT

|                 |                |              |
|-----------------|----------------|--------------|
| BRENNAN FED #5  | SENW-18-7S-21E | 43-047-15420 |
| BRENNAN FED #11 | SESW-18-7S-21E | 43-047-32772 |

|        |        |
|--------|--------|
| 1. GLH | 4-KAS  |
| 2. CDW | 5-810  |
| 3. JLT | 6-FILE |

## Merger

Account No. N4235

[illegible]

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 08/23/2000

4. Is the new operator registered in the State of Utah: YES Business Number: 224885
5. If **NO**, the operator was contacted on: \_\_\_\_\_
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/04/2000
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 02/04/2000
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 08/24/2000

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**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 08/29/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/29/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 3.5.01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

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**COMMENTS:**

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**SHENANDOAH ENERGY INC.**

43-047-15184

11002 East 17500 South  
Vernal, Utah 80478  
(435) 781-4300  
Fax (435) 781-4329

**May 1, 2001**

**Mr. Al Craver  
UIC Program  
United States Environmental Protection Agency  
Region VIII  
999 18th STREET - SUITE 300  
DENVER, CO 80202-2466  
8ENF-T**

**RE: RWU # 60 (43-30B) Well Abandonment  
Form 7520-14 P&A Plan**


**Dear Mr. Craver:**

Please find attached Form 7520-14 for the reference well. We will schedule the abandonment as soon as practical after receiving your response, and incorporating any modifications as directed by the BLM.

**Red Wash Unit  
Uintah County, Utah  
RWU # 60 (43-30B) EPA ID# UT-02401**

If you have questions or need additional information, please contact me at 435-781-4301.

Sincerely,

  
**J. T. Conley  
District Manager**

cc Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801  
Attn. Mr. Gil Hunt

U.S. Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460  
**PLUGGING AND ABANDONMENT PLAN**

NAME AND ADDRESS OF FACILITY

RWU # 60 (43-30B)

NAME AND ADDRESS OF OWNER/OPERATOR

Shenandoah Energy Inc.  
11002 East 17500 South  
Vernal, Utah 84078

LOCATE WELL AND OUTLINE UNIT ON  
SECTION PLAT -- 640 ACRES

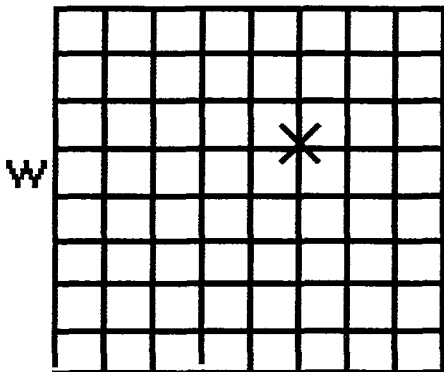
STATE  
Utah

COUNTY  
Uintah

PERMIT NUMBER  
UT2000-02649

43-047-15184

N



S

SURFACE LOCATION DESCRIPTION

NE 1/4 OF SE 1/4 OF SECTION 30 TOWNSHIP 7S RANGE 23E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location 560 ft. from (N) Line of quarter section

and 660 ft. from (E) Line of quarter section

TYPE OF AUTHORIZATION

- ☐ Individual Permit  
☐ Area Permit  
☒ Rule

Number of Wells 1

WELL ACTIVITY

- ☐ CLASS I  
☒ CLASS II  
☐ Brine Disposal  
☒ Enhanced Recovery  
☐ Hydrocarbon Storage  
☐ CLASS III

Lease Name Red Wash Unit

Well Number #60 (43-30B)

CASING AND TUBING RECORD AFTER PLUGGING

| SIZE    | WT(LB/FT) | TO BE PUT IN WELL(FT) | TO BE LEFT IN WELL(FT) | HOLE SIZE |
|---------|-----------|-----------------------|------------------------|-----------|
| 10 3/4" | 40.5 #/ft | 0                     | 227 feet               | 15"       |
| 7"      | 23 #/ft   | 0                     | 5944 feet              | 9"        |
|         |           |                       |                        |           |
|         |           |                       |                        |           |

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☒ The Balance Method -- for plug #4 back to surface  
☒ The Dump Bailer Method -- for cement cap on CIBP  
☐ The Two-Plug Method  
☒ Other -- squeeze under CICR for plugs #2, and #3

| CEMENTING TO PLUG AND ABANDON DATA:                        |  | PLUG #1    | PLUG #2    | PLUG #3    | PLUG #4    | PLUG #5 | PLUG #6 | PLUG #7 |
|--|--|------------|------------|------------|------------|---------|---------|---------|
| Size of Hole or Pipe in which Plug Will Be Placed (inches) |  | 7"         | 7"         | 7"         | 7"         |         |         |         |
| Depth to Bottom of Tubing or Drill Pipe (ft.)              |  | ~4650'     | ~3500'     | ~2800'     | ~275'      |         |         |         |
| Sacks of Cement To Be Used (each plug)                     |  | ~10 sxs    | ~50 sxs    | ~50 sxs    | ~50 sxs    |         |         |         |
| Slurry Volume To Be Pumped (cu. ft.)                       |  | ~58'       | ~58'       | ~58'       | ~58'       |         |         |         |
| Calculated Top of Plug (ft.)                               |  | ~4640'     | ~3490'     | ~2790'     | 0'         |         |         |         |
| Measured Top of Plug (if tagged ft.)                       |  |            |            |            |            |         |         |         |
| Slurry Wt. (Lb./Gal.)                                      |  |            |            |            |            |         |         |         |
| Type Cement or Other Material (Class III)                  |  | Reg cement | Reg cement | Reg cement | Reg cement |         |         |         |

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

| From  |  | To    | From  | To    |
|-------|--|-------|-------|-------|
| 4887' |  | 4917' | 5126' | 5126' |
| 4919' |  | 4929' | 5473' | 5480' |
| 4993' |  | 5009' | 5531' | 5549' |
| 5026' |  | 5028' | 5865' | 5877' |
| 5033' |  | 5047' |       |       |

Estimated Cost to Plug Wells

\$31,000

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)

J.T. Conley / District Manager

SIGNATURE

DATE SIGNED

05-01-2001

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.

U-02025

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Red Wash Unit

8. Well Name and No.

RWU 43-30B (60)

9. API Well No.

43-047-15184

10. Field and Pool, or Exploratory Area

Red Wash

11. County or Parish, State

UINTAH, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas  
☒ Well ☐ Well ☒ Other *WT*

2. Name of Operator

SHENANDOAH ENERGY INC.

3. Address and Telephone No.

11002 E. 17500 S. VERNAL, UT 84078-8526

(435) 790-5469

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2080' FSL, 660' FEL, NESE Sec. 30, T7S, R23E SLB&M

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work, if well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

RECEIVED

Please be advised that we intend to plug & abandon this well as follows:

- 1) MIRU. Flush tubing w/hot production water.
- 2) Cut off 2-7/8" tubing at 4760' and POOH. Set CIBP @ 4750'. Dump hole, gas cement plug of plug.
- 3) Perforate casing @ 2800'. Break down perfs to insure injectivity.
- 4) Set cement retainer @ 2750'. Cement w/50 sks. Spot 10 sks on top of retainer.
- 5) Perforate @ 60' and establish circulation. Cement down casing and out surface casing w/30 sks.
- 6) Insure hole is standing full and fill as needed to surface. Cut off casing head and install dry hole marker as required by BLM with BLM representative as a witness. Restore location and rehab.

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file

14. I hereby certify that the foregoing is true and correct.

Signed

Title

Completion Supervisor

Date

8-6-01

(This space for Federal or State office use)

Approved by:

Accepted by the  
Utah Division of

Title

Date

Conditions of approval, if any

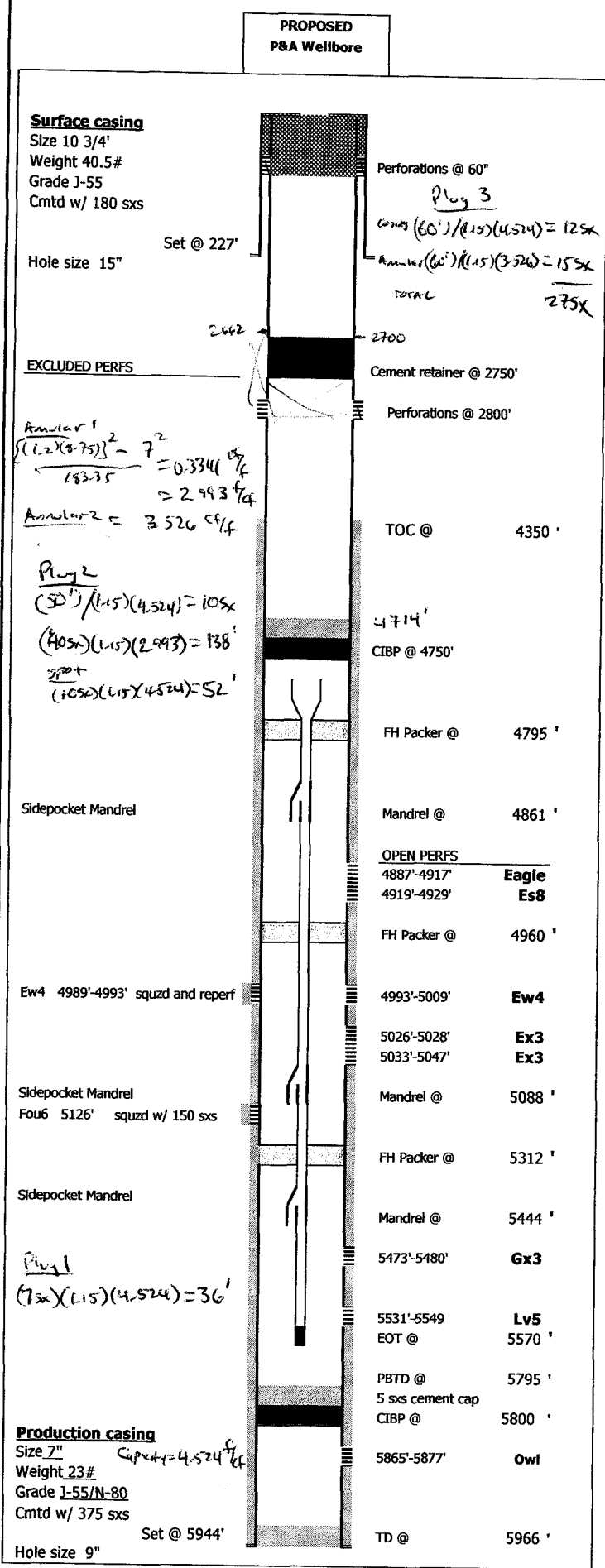
Title 18 U.S.C. Section 1001, makes it unlawful to knowingly and willfully make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Date: 10/11/01

By: [Signature]

Federal Approval Of This  
Action Is Necessary

|   |                        |  |              |
|---|------------------------|--|--------------|
| FIELD: Red Wash   | GL: 5450 ' KBE: 5462 ' | Start Date:                            | Finish Date: |
| WELL NAME: RWU # 60 (43-30B)                              | TD: 5966 ' PBD: 5795 ' | Current Well Status: TA Injection Well |              |
| Location:<br>NE1/4SE1/4 S30-T7S-R23E<br>Utah County, Utah |                        | API# 43-047-15184<br>EPA ID# UT-02401  |              |



Prepared By: JTConley Date: 03/29/01  
Proposed P&A: JEPennell Date: ###

**Reason for Pull/Workover:**  
Well failed MIT, plug and abandon well

**Tubing Landing Detail:**

| Description                            | Size            | Footage  | Depth           |
|--|-----------------|----------|-----------------|
| KB to Tbg Head                         |                 | 12.00    | 12.00           |
| Compression 12,000#                    | 2 7/8"          | -1.30    | 10.70           |
| Wireline Correction                    |                 | 8.00     | 18.70           |
| 1 jts J-55 IC tbg                      | 2 7/8"          | 31.69    | 50.39           |
| 1 sut J-55 IC tbg                      | 2 7/8"          | 10.03    | 60.42           |
| 1 sut J-55 IC tbg                      | 2 7/8"          | 10.08    | 70.50           |
| 14 jts J-55 IC tbg                     | 2 7/8"          | 442.67   | 513.17          |
| Baker F Nipple w/ 2.25" profile        | 2 7/8"          | 0.97     | 514.14          |
| 135 jts J-55 IC tbg                    | 2 7/8"          | 4,273.61 | 4,787.75        |
| X-over                                 | 2 7/8" x 2 3/8" | 0.43     | 4,788.18        |
| Baker FH packer                        | 2 3/8" x 7"     | 6.58     | 4,794.76        |
| 2 jts J-55 IEC tbg                     | 2 3/8"          | 59.12    | 4,853.88        |
| Merla Sidepocket Mandrel               | 2 3/8"          | 7.11     | 4,860.99        |
| 3 jts J-55 IEC tbg                     | 2 3/8"          | 92.73    | 4,953.72        |
| Baker FH packer                        | 2 3/8" x 7"     | 6.56     | 4,960.28        |
| 4 jts J-55 IEC tbg                     | 2 3/8"          | 120.81   | 5,081.09        |
| Merla Sidepocket Mandrel               | 2 3/8"          | 7.06     | 5,088.15        |
| 7 jts J-55 IEC tbg                     | 2 3/8"          | 217.28   | 5,305.43        |
| Baker FH packer                        | 2 3/8" x 7"     | 6.57     | 5,312.00        |
| 4 jts J-55 IEC tbg                     | 2 3/8"          | 125.18   | 5,437.18        |
| Merla Sidepocket Mandrel               | 2 3/8"          | 7.10     | 5,444.28        |
| 4 jts J-55 IEC tbg                     | 2 3/8"          | 125.40   | 5,569.68        |
| Baker R Nipple w/ 1.812" profile, RB-2 | 2 3/8"          | 0.77     | 5,570.45        |
|  |                 |          | <b>5,570.45</b> |

**EOT**  
**Tubing Information**  
Condition: New: ☒ Used: ☐ Rerun: ☐  
Grade: 2 7/8" IE & 2 3/8" IEC  
Weight (#/ft): 6.5 & 4.7

**Pump Information:**  
API Designation: \_\_\_\_\_  
Example: \_\_\_\_\_  
Pump SN#: \_\_\_\_\_ Original Run Date: \_\_\_\_\_  
Rerun: \_\_\_\_\_ New Run: \_\_\_\_\_ Rebuild: \_\_\_\_\_

**ESP Well**  
Cable Size: \_\_\_\_\_  
Pump Intake @ \_\_\_\_\_  
End of Pump @ \_\_\_\_\_  
**Wellhead Detail:**  
7 1/16" 2000# \_\_\_\_\_  
7 1/16" 3000# ☒ new in 1983  
7 1/16" 5000# \_\_\_\_\_  
Other: \_\_\_\_\_  
**Tbg Hanger Type:** Donut: ☒ Bonnet: ☐

**SUMMARY**  
SIE ran in 09/23/1983  
Tubing was new when SIE ran in 1983

~~CONFIDENTIAL~~

# SHENANDOAH ENERGY INC.

---

11002 East 17500 South  
Vernal, Utah 80478  
(435) 781-4300  
Fax (435) 781-4329

January 4, 2002

**Mr. Al Craver**  
**UIC Program**  
**United States Environmental Protection Agency**  
**Region VIII**  
**999 18th STREET - SUITE 300**  
**DENVER, CO 80202-2466**  
**8ENF-T**

**RE: RWU # 60 (43-30B) Well Abandonment**  
**Form 7520-13 Plugging Record**

43-047-15184

**Dear Mr. Craver:**

Please find attached Form 7520-13 for the reference well. This well was plug & abandoned effective 12/11/2001 per BLM guidelines.

**Red Wash Unit**  
**Uintah County, Utah**  
**RWU # 60 (43-30B)**  
**EPA ID# UT2000-02401**

If you have questions or need additional information, please contact me at 435-781-4301.

Sincerely,

  
**J. T. Conley**  
**District Manager**

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**

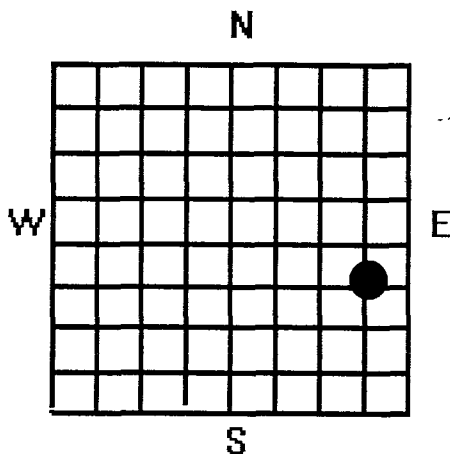
cc Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801  
Attn. Mr. Gil Hunt

U.S Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078



**EPA**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**PLUGGING RECORD**NAME AND ADDRESS OF PERMITTEE  
Shenandoah Energy Inc.  
11002 East 17500 South  
Vernal, UT 84078NAME AND ADDRESS OF CEMENTING COMPANY  
Haiburton Services  
1092 East Main  
Vernal, UT 84078LOCATE WELL AND OUTLINE UNIT ON  
SECTION PLAT -- 640 ACRESSTATE  
UtahCOUNTY  
UintahPERMIT NUMBER  
UT2000-02401

## SURFACE LOCATION DESCRIPTION

NE 1/4 OF SE 1/4 of 1/4 SECTION 30 TOWNSHIP 7S RANGE 23ELOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT  
Surface Location 560' ft. from (N/S) N Line of quarter section  
and 660' ft. from (E/W) E Line of quarter section

## TYPE OF AUTHORIZATION

- ☐ Individual Permit  
☐ Area Permit  
☒ Rule

Number of Wells 1Lease Name  
RWU # 60 (43-30B)

Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole.

Plugs #1 &amp; #2 are plugs capped w/ cement. Plug #3 is balanced plug. Plug #4 is a squeeze. Plug #5 is a balanced top plug cementing the production-surface csg annulus back to surface.

## CASING AND TUBING RECORD AFTER PLUGGING

| SIZE    | WT(LB/FT) | TO BE PUT IN WELL(FT) | TO BE LEFT IN ELL(FT) | HOLE SIZE |
|---------|-----------|-----------------------|-----------------------|-----------|
| 10 3/4" | 40.5      | 0                     | 227'                  | 15"       |
| 7"      | 23        | 0                     | 5944'                 | 9"        |
|         |           |                       |                       |           |
|         |           |                       |                       |           |

## WELL ACTIVITY METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☐ CLASS I ☒ The Balance Method  
☒ CLASS II ☐ The Dump Bailer Method  
☐ Brine Disposal ☐ The Two-Plug Method  
☒ Enhanced Recovery ☒ Other - squeeze  
☐ Hydrocarbon Storage  
☐ CLASS III

## CEMENTING TO PLUG AND ABANDON DATA:

|  | PLUG #1 | PLUG #2 | PLUG #3 | PLUG #4 | PLUG #5 | PLUG #6 | PLUG #7 |
|--|---------|---------|---------|---------|---------|---------|---------|
| Size of Hole or Pipe in which Plug Will Be Placed (inches) | 7"      | 7"      | 7"      | 7"      | 7"      |         |         |
| Depth to Bottom of Tubing or Drill Pipe (ft.)              | 4746'   | 3150'   | 550'    | 225'    | 200'    |         |         |
| Sacks of Cement To Be Used (each plug)                     | 24      | 66      | 37      | 24      | 90      |         |         |
| Slurry Volume To Be Pumped (cu. ft.)                       | 28      | 76      | 43      | 28      | 104     |         |         |
| Calculated Top of Plug (ft.)                               | 4619'   | 2786'   | 330'    | 225'    | 0'      |         |         |
| Measured Top of Plug (if tagged ft.)                       |         |         |         |         |         |         |         |
| Slurry Wt. (Lb./Gal.)                                      | 15.8    | 15.8    | 15.8    | 15.8    | 15.8    |         |         |
| Type Cement or Other Material (Class III)                  | Class A | Class A | Class A | Class A | Class A |         |         |

## LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS

| From  | To                  | From: To    | From: To    |
|-------|---------------------|-------------|-------------|
| 200'  | 200' squeeze perfs  | 4919'-4929' | 5126'       |
| 275'  | 275' squeeze perfs  | 4993'-5009' | 5473'-5480' |
| 430'  | 430' squeeze perfs  | 4989'-4993' | 5531'-5549' |
| 3200' | 3200' squeeze perfs | 5026'-5028' | 5865'-5877' |
| 4887' | 4917'               | 5033'-5047' |             |

Signature of Cementer or Authorized Representative

Signature of EPA Representative

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of that person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (REF. 40 CFR 122.22)

NAME AND OFFICIAL TITLE (Please type or print)  
J.T. Conley, District Manager

SIGNATURE

DATE SIGNED  
January 4, 2002

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |   |  |
|--|---|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |   | 5. Lease Serial No.<br>U-02025                               |
| 2. Name of Operator<br>SHENANDOAH ENERGY   |   | 6. If Indian, Allottee or Tribe Name<br>N/A                  |
| Contact: DAHN CALDWELL<br>E-Mail: dcaldwell@shenandoahenergy.com   |   | 7. If Unit or CA/Agreement, Name and/or No.<br>RED WASH UNIT |
| 3a. Address<br>11002 E. 17500 S.<br>VERNAL, UT 84078   | 3b. Phone No. (include area code)<br>Ph: 435.781.4359<br>Fx: 435.828.5044 | 8. Well Name and No.<br>RWU 43-30B (60)                      |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 30 T7S R23E NESE 560FNL 660FEL                     |   | 9. API Well No.<br>43-047-15184                              |
|  |   | 10. Field and Pool, or Exploratory<br>RED WASH               |
|  |   | 11. County or Parish, and State<br>UINTAH COUNTY, UT         |

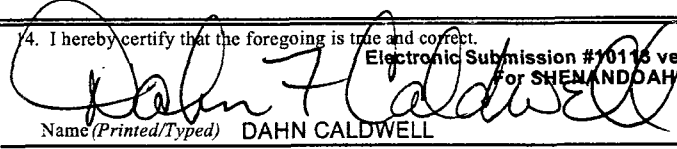
## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |  |  |   |
|---|---|--|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat              | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction            | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
|   | <input type="checkbox"/> Change Plans         | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that as of 12/20/01, this well was plugged as follows:

- 1) MIRU Service Unit. ND WH. NU BOPS.
- 2) Try to string out of FH packer @ 4795'. Unsuccessful. Cut 2 7/8" tubing off @ 4760'.
- 3) Set CIBP @ 4746'. Test casing to 500# per BLM request. Spot 5 bbls (24 sxs) Type 5 cmt on top of BP.
- 4) Perforate 7" casing @ 3200' w/ 4 spf. Break down perfs @ 2 bpm.
- 5) Set cmt retainer @ 3150'. Pump 14.4 bbls (68 sxs) thru retainer. Pump 66 sxs Type 5 on top of retainer.
- 6) Perforate 7" casing @ 430'. Unable to establish circulation to surface.
- 7) Pump 37 sxs balanced plug from 530' - 330'.
- 8) Set 7" bridge plug @ 300'.
- 9) Perforate 7" casing @ 275' w/ 4 spf. Unable to establish circulation to surface.

|   |                                 |
|---|---------------------------------|
| 4. I hereby certify that the foregoing is true and correct.<br><br>Electronic Submission #10116 verified by the BLM Well Information System<br>for SHENANDOAH ENERGY, sent to the Vernal |                                 |
| Name (Printed/Typed) DAHN CALDWELL  | Title AUTHORIZED REPRESENTATIVE |
| Signature (Electronic Submission)   | Date 03/28/2002                 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|   |              |                                 |
|---|--------------|---------------------------------|
| Approved By _____   | Title _____  | Date APR 17 2002                |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office _____ | DIVISION OF OIL, GAS AND MINING |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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Additional data for EC transac #10113 that would not fit on the form

**32. Additional remarks, continued**

- 10) Set 7" Baker AD-1 Packer @ 225'. Pump 24 sxs Type 5 cmt thru packer. Let set overnight.
- 11) Back off tubing in safety jt @ top of packer.
- 12) Perforate 7" casing @ 200'. Establish circulation to surface.
- 13) Pump 90 sxs Type 5 cmt + 2% CaCl<sub>2</sub> down 7" and up surface casing. Good cmt to surface.
- 14) Dug out & cut off wellhead. Found cmt to surface. Welded on dry hole marker plate.

Note: All procedure changes were verbally approved by Ed Foresman & Kirk Fleetwood, BLM, Vernal.  
All plugging procedures were witnessed by Jamie Sparger, Cliff Johnson & Carol Kubly-Scott, BLM, Vernal.